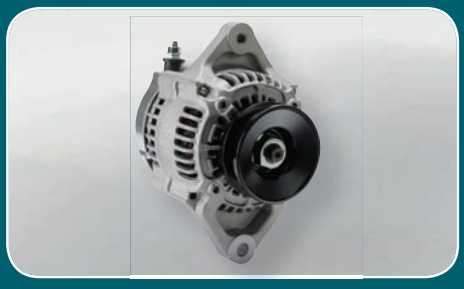
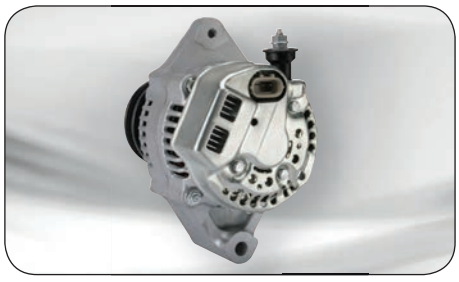
HC CAR GO

AGRICULTURAL MACHINERY

2013/2014



AGRICULTURAL MACHINERY



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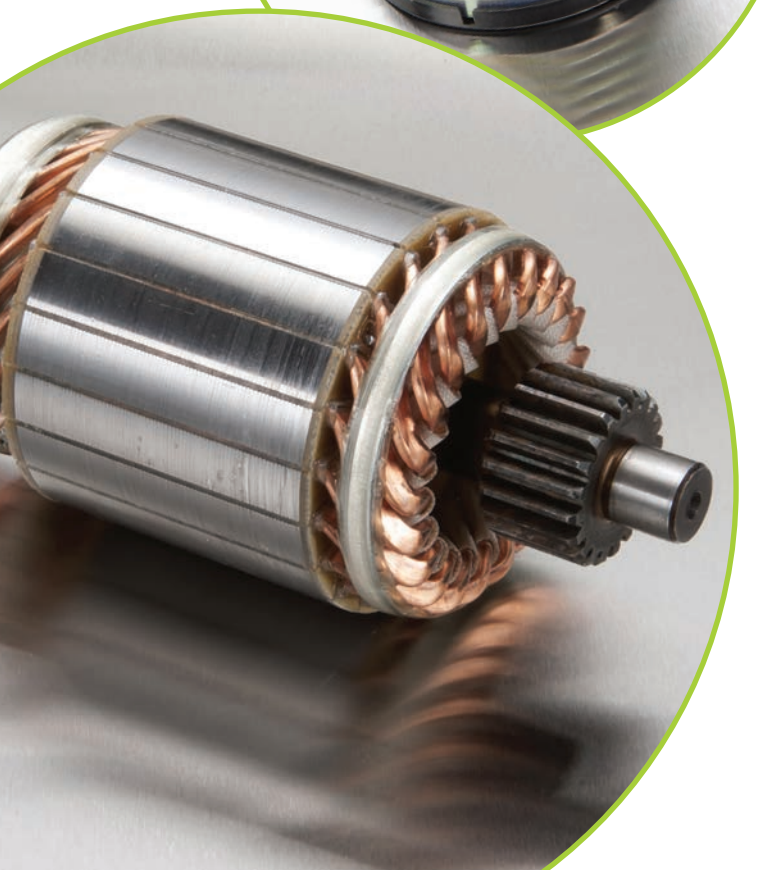


Spare Parts

In our Agricultural Machinery catalogue we offer you an overview of selected parts and accessories for agricultural machinery applications. We offer a broader range of spare parts for agricultural machinery units than you will find in this catalogue.

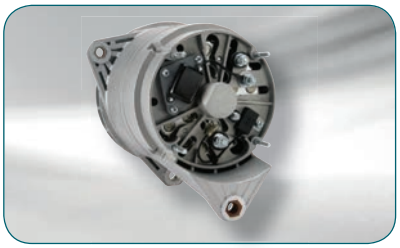
In our alternator and starter components catalogues we offer a comprehensive range of spare parts. We cover virtually all you require to get your vehicle running.

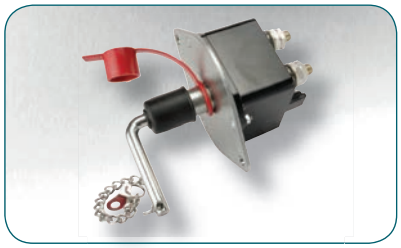
You will find all you need in:

- Rotors
- Stators
- Regulators
- Rectifiers
- Brush Sets
- Pulleys
- Drives/Clutches
- Solenoids
- Armatures
- Etc.

Our engineers test the spare parts thoroughly in terms of best interaction, perfect fit and easy installation, before the products are sourced. In this way, we continuously ensure high quality.

Our Spare Parts for Agricultural Starters and Alternators – All You Need





Our Product Range - Your Customer Satisfaction

Most spare part dealers offer only specialized programs. We have decided to have a broad product range to meet the demands of workshops in the best possible way. At HC-CARGO, you can get all products from a single source.

The HC-CARGO product range is broad in many ways. Firstly, it is broad in function as you will find all the electrical parts you need to repair vehicles. From spare parts for starters and alternators to the units themselves, A/C compressors, lighting products and many other auto-electrical spare parts.

Secondly, it is broad in applications. Whether for passenger cars, light- and heavy commercial vehicles, industrial, truck, trailers and busses, agricultural machinery, marine or sport- and outdoor equipment applications you will find the right product at HC-CARGO. The conventional workshop will find just as much as the big remanufacturer.

For full program overview visit hc-cargo.com

You can easily find our complete and up-to-date spare parts program at our web-catalogue at:
www.hc-cargo.com

For full program overview visit
www.hc-cargo.com

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ABBREVIATIONS:

AC=Air Condition, **Alu**=Aluminium, **A**=Ampere, **AT**=Automatic Transmission, **Cat.**=Catalyzer, **Ch.**=Chassis, **Cyl.**=Cylinder, **CW**=Clockwise rotation, **Eur.**=European application, **FWD.**=Front Wheel Drive, **H**=Hight, **HD**=Heavy Duty construction, **HP**=Horse Power, **ID**=Inner Diameter, **kW**=Kilowatt, **L**=Length, **LHD**=Left Hand Drive, **LL.**=Lead Length, **M**=Minimum supply, **MT**=Manual Transmission, **m**=Metre, **OD**=Outer Diameter, **O.E.**=Original Equipment, **PS**=Power Steering, **RHD**=Right Hand Drive, **Th.**=Thickness, **V**=Volt, **W/**=With, **W/o**=Without, **W**=Watt, **4WD.**=Four Wheel Drive, [ ]=Eng. no., 3(2)=Number of fixing holes-number in bracket represent threaded holes.

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Care is taken to ensure the accuracy of descriptions and applications of each item, but CAR GO assumes no responsibility for possible errors. O.E.M. names and numbers are used for reference purposes only.
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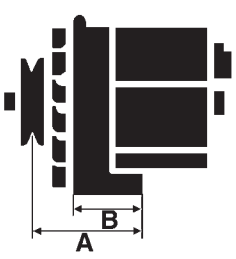
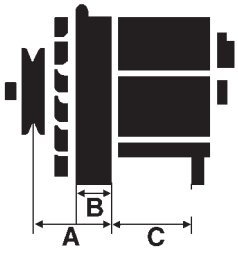
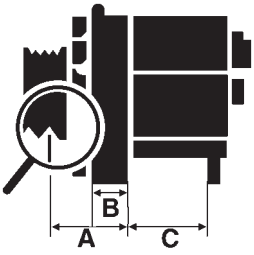
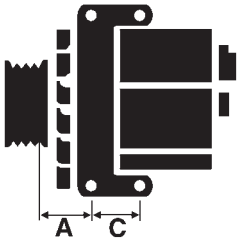
Alternators

A: Pulley distance, B: Width of holder arm, C: Mounting bracket distance









Remarks: Serpentine pulley

Threaded fixing holes

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110043 Alternator 28 **V,** 45 **A**

Replacing: 9120144119, 9120144118, 9120144114, 9120144111, 9120144105, 0120489702, 0120489192

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110077 Alternator 14 **V,** 50 **A**

Replacing: 0120339525, 0120339524, 0120300531, 0120300530

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm

110105 Alternator 14 **V,** 55 **A**

Replacing: 0120489704, 0120489703, 0120488290, 0120488267, 0120488218, 0120300545, 0120300535, 0120300516

Servicing: John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.30 **B:** 56.00 mm

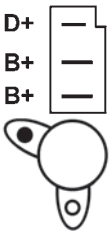
110117 Alternator 28 **V,** 40 **A**

Replacing: 0120489731

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



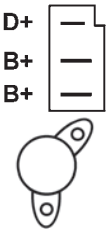
110178 Alternator 14 **V,** 36 **A**

Replacing: 9120331913, 9120331901, 9120331502, 0120389503, 0120389502, 0120339510, 0120339509, 0120339506

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



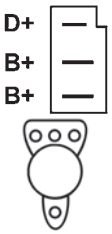
110360 Alternator 14 **V,** 45 **A**

Replacing: 9120080139, 9120080120, 9120080089, 9120080056, 0120489965, 0120489964, 0120489961, 0120489960

Servicing: Audi, Deutz-Fahr, VW

Position/B+ 9.40, **Pulley** w/o, **Fan** w/o

B: 56.00 mm



110497 Alternator 14 **V,** 70 **A**

Replacing: 9120690170

Servicing: Austin-Healey, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 41.50 **B:** 10.50 **C:** 84.00 mm

110641 Alternator 14 **V,** 33 **A**

Replacing: 0120339552, 0120339531, 0120339514, 0120300514

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm

110761 Alternator 28 **V,** 35 **A**

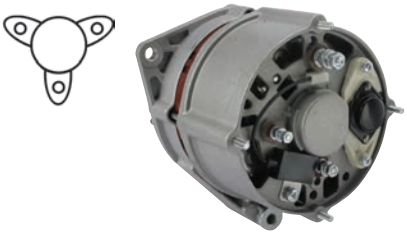
Replacing: 0120489944, 0120488271

Servicing: Deutz-Fahr, MAN

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

Fan: Cargo 133875.

B: 80.00 mm



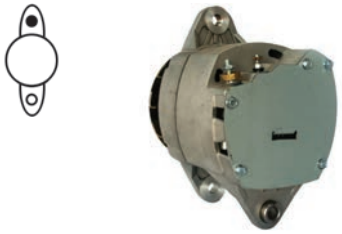
110766 Alternator 28 **V,** 27 **A**

Replacing: 0120489730, 0120489707, 0120489023, 0120488224, 0120400805, 0120400791, 0120400790, 0120400760

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



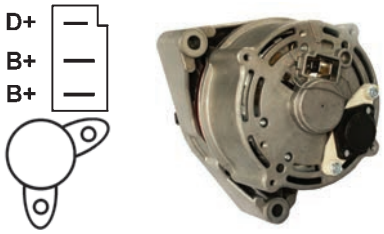
110801 Alternator 28 **V,** 45 **A**

Replacing: 0122469003, 0122469001

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm



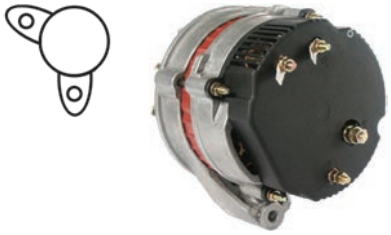
110875 Alternator 14 **V,** 65 **A**

Replacing: 0120489936, 0120489935, 0120489751, 0120489750, 0120489749, 0120489748, 0120489243, 0120489242

Servicing: Ferrari, Fiat, Lancia, Mercedes-Benz, Zetor

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.25 **B:** 56.00 mm



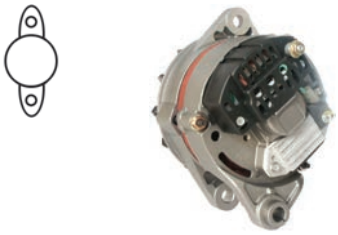
110881 Alternator 14 **V,** 55 **A**

Replacing: 0120489309, 0120489296, 0120489286, 0120489183, 0120489070, 0120489069, 0120488258, 0120488257

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm



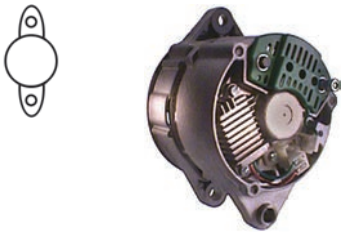
110882 Alternator 14 **V,** 45 **A**

Replacing: 0120489765, 0120489762, 0120489761, 0120489145, 0120489106

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm



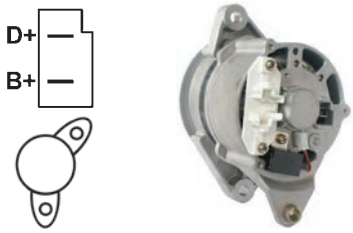
110890 Alternator 14 **V,** 55 **A**

Replacing: 9120331881, 0120489838, 0120489770, 0120489763, 0120489151, 0120489147, 0120489146, 0120489134

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



110899 Alternator 14 **V,** 33 **A**

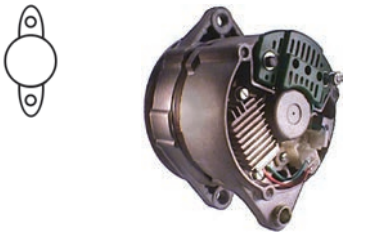
Replacing: 0120300569, 0120300568, 0120300559, 0120300558, 0120300529, 0120300528

Servicing: Agrifull, DAF, Fiat, Volvo

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130675.

A: 48.45 **B:** 24.00 **C:** 74.00 mm



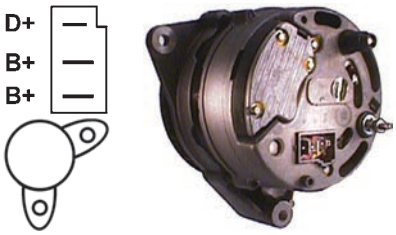
110912 Alternator 14 **V,** 55 **A**

Replacing: 9120144239, 9120144238, 9120144202, 9120144201, 0120489753, 0120489752, 0120489743, 0120489742

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



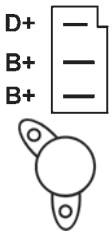
110971 Alternator 14 **V,** 65 **A**

Replacing: 0120489708

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm



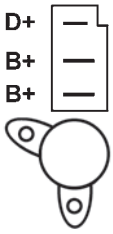
110972 Alternator 14 **V,** 65 **A**

Replacing: 0120489124, 0120489123, 0120489121

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



110975 Alternator 14 **V,** 65 **A**

Replacing: 0120489999, 0120489975, 0120489789, 0120489569, 0120489551, 0120489058, 0120400670, 0120300584

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm

111035 Alternator 14 **V,** 65 **A**

Replacing: 0120489188, 0120489187, 0120489186, 0120489126

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm

111141 Alternator 14 **V,** 55 **A**

Replacing: 0120489757, 0120489726, 0120489725, 0120489315, 0120489032, 0120488282, 0120400700

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

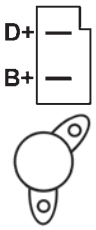
111168 Alternator 14 **V,** 55 **A**

Replacing: 0120489952, 0120489951, 0120489950, 0120489948, 0120489947, 0120489125, 0120489124, 0120489123

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



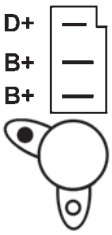
111180 Alternator 14 **V,** 33 **A**

Replacing: 0120339528, 0120339527, 0120339516, 0120339515

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



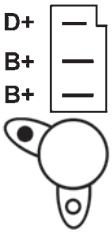
111289 Alternator 14 **V,** 70 **A**

Replacing: 9120331872, 9120331864, 9120331854, 0120489957, 0120489896, 0120489895, 0120489889, 0120489844

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



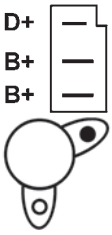
111355 Alternator 14 **V,** 65 **A**

Replacing: 0120489385, 0120489384, 0120489293

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



111356 Alternator 14 **V,** 55 **A**

Replacing: 0120488189

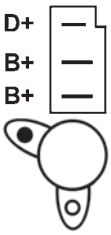
Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



111362 Alternator 14 **V,** 55 **A**

Replacing: 0120489345, 0120489290

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111369 Alternator 14 **V,** 90 **A**

Replacing: 9123369044, 0123335007, 0123335006, 0123335002, 0123320044

Servicing: Mercedes-Benz, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.00 mm

111419 Alternator 28 **V,** 55 **A**

Replacing: 0120469890, 0120469634, 0120469549

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

111528 Alternator 28 **V,** 55 **A**

Replacing: 0120469523

Servicing: Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 51.50 mm

111620 Alternator 14 **V,** 65 **A**

Replacing: 0120489824, 0120489823, 0120489319, 0120489318, 0120489307, 0120489273, 0120489272, 0120488254

Servicing: Alfa Romeo, Ferrari, Fiat, Lancia, Various Agriculture Vehicles

Position/B+ M6, **Pulley** SP, **Grooves** 5, **Fan** EF

A: 47.75 **B:** 16.30 **C:** 63.00 mm

111649 Alternator 14 **V,** 33 **A**

Replacing: 0120400775, 0120339545, 0120339544, 0120339543, 0120339513, 0120339512, 0120339511, 0120300562

Servicing: Claas, Eicher, John Deere, Lamborghini, Same

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.00 **B:** 56.00 mm

111662 Alternator 14 **V,** 33 **A**

Replacing: 0120339536, 0120339521

Servicing: Agrifull, Arona, Case, Ferrari, Goldoni, Lombardini

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

111686 Alternator 14 **V,** 65 **A**

Replacing: 0120489338, 0120489219, 0120489212, 0120489153, 0120489152, 0120489136, 0120489018, 0120488251

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm

111833 Alternator 28 **V,** 140 **A**

Replacing: 0120689587, 0120689574, 0120689571, 0120689535, 0120689530

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

111843 Alternator 14 **V,** 95 **A**

Replacing: F005A00024, 9120060041, 6033G2019B, 0120484218, 0120484050, 0120484026, 0120484018, 0120484011

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o

B- M8.

A: 74.60 **B:** 51.00 mm

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111888 Alternator 14 **V,** 65 **A**

Replacing: F005A00023, 0120489475, 0120488293, 0120488205

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm

111978 Alternator 14 **V,** 120 **A**

Replacing: 6033GB2009, 0120484021, 0120484015

Servicing: Claas, Fendt

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

112038 Alternator 28 **V,** 100 **A**

Replacing: 0120468066

Servicing: Timberjack

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 56.00 mm

112046 Alternator 14 **V,** 95 **A**

Replacing: 0120484001

Servicing: Deutz-Fahr, Iveco

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

112062 Alternator 14 **V,** 115 **A**

Replacing: 0124515126, 0123512500

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 0120489796, 0120489795, 0120489794, 0120489793, 0120489792, 0120489639, 0120489638, 0120489612

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112098 Alternator 14 **V,** 65 **A**

Replacing: 0120489711, 0120489710, 0120489294, 0120489022, 0120488233, 0120488138, 0120488134, 0120400845

Servicing: Case, Claas, Eicher, Iveco, Lamborghini, Mercedes-Benz, NSU, Steyr, Zetor

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.00 **B:** 56.00 mm

112170 Alternator 28 **V,** 50 **A**

Replacing: 0120489481, 0120489071, 0120488294, 0120488206

Servicing: Case, Komatsu

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Dust proof.

B: 51.00 mm

112194 Alternator 14 **V,** 120 **A**

Replacing: 0123545004, 0123540004, 0123540003, 0123540002, 0123510023, 0123510002, 0123500001, 0120465015

Servicing: Dodge, Mercedes-Benz, Ssangyong, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 82.20 **B:** 56.00 mm

112196 Alternator 14 **V,** 143 **A**

Replacing: 0124615053, 0123510075, 0123510074, 0123510060

Servicing: Fendt

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

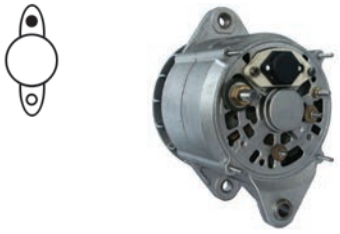
112310 Alternator 14 **V,** 55 **A**

Replacing: 0120489533

Servicing: BMW, Volvo BM

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 74.00 **B:** 50.70 mm



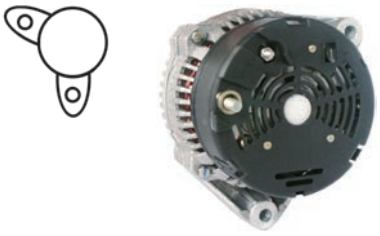
112493 Alternator 28 **V,** 65 **A**

Replacing: 0120468147, 0120468054

Servicing: Case

Position/B+ M12, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.00 **C:** 100.00 mm



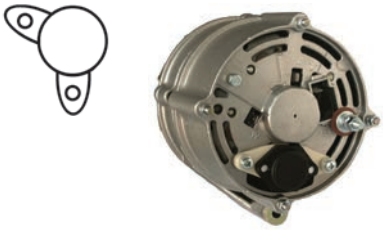
112529 Alternator 14 **V,** 90 **A**

Replacing: 0123335003, 0123320061, 0123320045, 0123320010, 0123315501

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm



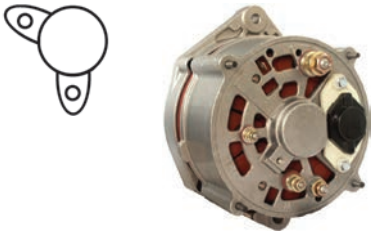
112736 Alternator 14 **V,** 65 **A**

Replacing: 0120489756

Servicing: Deutz-Fahr, Fahr, Iveco

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.50 **B:** 56.10 mm



112742 Alternator 14 **V,** 90 **A**

Replacing: 0120469749, 0120469522, 0120469507

Servicing: Valtra, Volvo, Volvo BM

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** w/o

A: 72.50 **B:** 51.00 mm

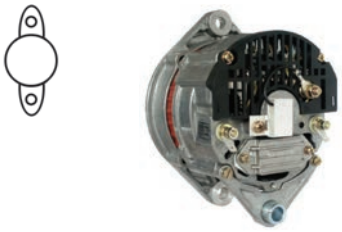
112747 Alternator 28 **V,** 55 **A**

Replacing: 0120469772, 0120469585, 0120469521, 0120469520, 0120469519, 0120469102, 0120469030, 0120469008

Servicing: Deutz-Fahr, Ford, Iveco, KHD

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



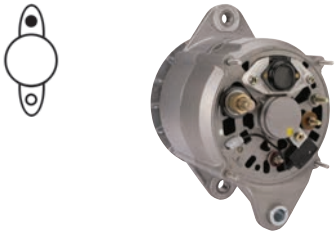
112768 Alternator 14 **V,** 55 **A**

Replacing: 0120489457, 0120489402, 0120489019, 0120488195, 0120488194

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm



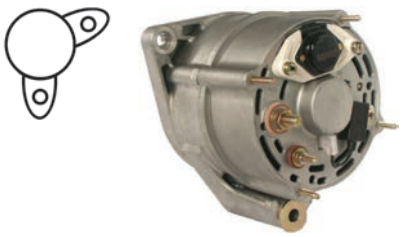
112773 Alternator 14 **V,** 135 **A**

Replacing: 0120468055

Servicing: Case, Cummins, John Deere, New Holland

Position/B+ 7/16" UNC, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.22 **C:** 100.00 mm



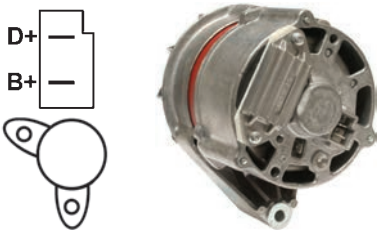
113290 Alternator 14 **V,** 95 **A**

Replacing: 0120484024, 0120484022

Servicing: Fendt

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



113469 Alternator 14 **V,** 33 **A**

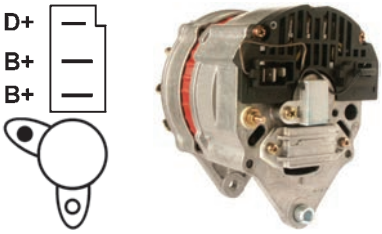
Replacing: 0120339526

Servicing: Marshall, Steyr

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Dust proof.

A: 75.50 **B:** 55.90 mm



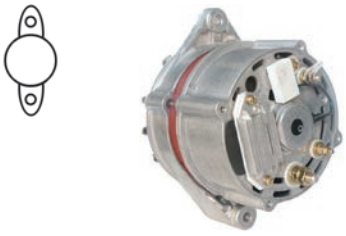
113474 Alternator 14 **V,** 65 **A**

Replacing: 9124476014

Servicing: Austin, Landini, Massey Ferguson, Rover

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.90 **B:** 11.00 **C:** 82.55 mm



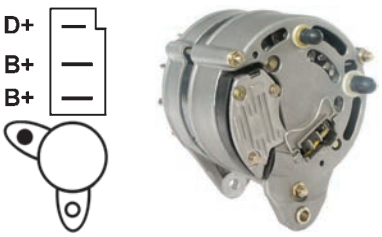
113531 Alternator 14 **V,** 120 **A**

Replacing: F005A00025, 9120060042, 1020484017, 0120484019, 0120484017, 0120484012

Servicing: John Deere

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 56.20 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 0120489959, 0120489958

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

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All measurements are in mm, unless else states

113611 Alternator 14 **V,** 90 **A**

Replacing: 0120469895, 0120469687, 0120469540, 0120469526, 0120469506, 0120469013

Servicing: Claas, Mercedes-Benz

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 81.30 mm

113632 Alternator 14 **V,** 85 **A**

Replacing: 012060040, 0120489317, 0120489156, 0120488217, 0120484020, 0120484016, 0120484003, 0120484002

Servicing: John Deere, Lada

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.10 mm

113707 Alternator 14 **V,** 200 **A**

Replacing: 0124625031

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

113895 Alternator 28 **V,** 80 **A**

Replacing: 6033GB3045

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

113899 Alternator 14 **V,** 150 **A**

Replacing: 0124615029, 0123515502

Servicing: John Deere

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 86.00 **B:** 56.00 mm

113949 Alternator 14 **V,** 150 **A**

Replacing: 0123515503, 0123515501, 0123515500

Servicing: Claas, John Deere

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.00 mm

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114211 Alternator 14 **V,** 200 **A**

Replacing: 0124625030, 0124625029

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

114365 Alternator 28 **V,** 140 **A**

Replacing: 0120689553

Servicing: Deutz-Fahr, KHD, MAN

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 15.00 **C:** 180.00 mm

114379 Alternator 14 **V,** 150 **A**

Replacing: 0124615043

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF, Not Insulated return

B: 56.30 mm

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114466 Alternator 14 **V,** 55 **A**

Replacing: 0124120001

Servicing: VM Motori

Position/B+ M6, **Pulley** DP, **Grooves** 2, **Fan** IF

A: 42.50 **B:** 18.00 **C:** 67.50 mm

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114681 Alternator 14 **V,** 90 **A**

Replacing: 0124325166

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF, Not Insulated return

B: 56.00 mm

110043 Alternator 28 **V,** 45 **A**

Replacing: 858772Z

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110077 Alternator 14 **V,** 50 **A**

Replacing: 860150, 858885

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm

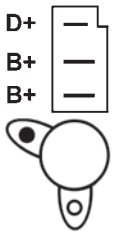
110643 Alternator 28 **V,** 40 **A**

Replacing: LNA4024/8, LNA4024/0, A4024/15, A302413, A3024/33, A3024/30, A3024/13, 859673, 859385, 857606

Servicing: Butec, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 75.90 mm



110968 Alternator 14 **V,** 70 **A**

Replacing: 858787

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

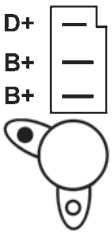
A: 39.50 **B:** 11.00 **C:** 82.00 mm

111296 Alternator 28 **V,** 55 **A**

Replacing: A5524/49, A5524/39, 858619, 857645, 857623, 857601

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o, Insulated return

B: 76.00 mm



111355 Alternator 14 **V,** 65 **A**

Replacing: 858776

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm

112493 Alternator 28 **V,** 65 **A**

Replacing: 860568

Servicing: Case

Position/B+ M12, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.00 **C:** 100.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110043 Alternator 28 **V,** 45 **A**

Replacing: 2998056

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

111810 Alternator 14 **V,** 60 **A**

Replacing: 1268030

Position/B+ 1/4" UNF, **Pulley** w/o, **Fan** EF, Insulated return

Shaft dia. 19.00 mm.

B: 76.10 mm

111833 Alternator 28 **V,** 140 **A**

Replacing: 1277670

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

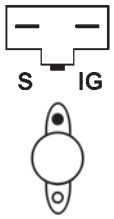
112097 Alternator 28 **V,** 30 **A**

Replacing: 2998230

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm



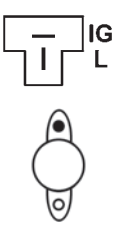
110445 Alternator 14 **V,** 90 **A**

Replacing: 100211-5800, 100211-0790, 100211-0292, 100211-0291, 100211-0290, 100211-0281, 100211-0280

Servicing: John Deere

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 51.00 mm



110620 Alternator 14 **V,** 35 **A**

Replacing: 100211-4701, 100211-4700, 100211-4531, 100211-4530, 100211-1662, 100211-1661, 100211-1660

Servicing: Kubota, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 44.00 **B:** 23.50 mm

110801 Alternator 28 **V,** 45 **A**

Replacing: 100211-0860

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm

110882 Alternator 14 **V,** 45 **A**

Replacing: 021000-0320

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm

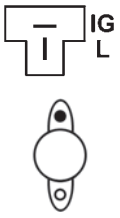
111042 Alternator 14 **V,** 35 **A**

Replacing: 021000-6980

Servicing: Iseki, Mitsubishi

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 42.50 **B:** 12.10 **C:** 66.90 mm



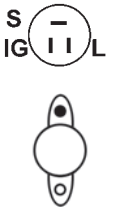
111048 Alternator 14 **V,** 40 **A**

Replacing: 101211-2480, 101211-1230, 101211-1180, 100211-4690, 100211-4680, 100211-4670, 100211-4660

Servicing: Daihatsu, Iseki, Kubota, Piaggio

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 24.00 mm



111215 Alternator 14 **V,** 120 **A**

Replacing: 100211-6051, 100211-6050, 100211-6031, 100211-6030

Servicing: John Deere

Position/B+ M8, **Pulley** DP, **Grooves** 2, **Fan** IF

A: 94.60 **B:** 57.65 mm

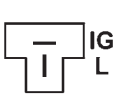
111830 Alternator 14 **V,** 140 **A**

Replacing: 100211-6420

Servicing: John Deere

Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 90.50 **B:** 58.00 mm



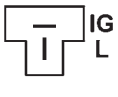
113699 Alternator 14 **V,** 40 **A**

Replacing: 101211-1200

Servicing: Iseki

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 41.50 **B:** 24.00 mm



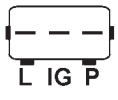
113700# Alternator 14 **V,** 50 **A**

Replacing: 101211-3180

Servicing: Iseki

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 41.50 **B:** 24.00 mm



113742 Alternator 14 **V,** 40 **A**

Replacing: 101211-1380, 101211-1170

Servicing: John Deere, Yanmar

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 24.40 mm

113763 Alternator 14 **V,** 85 **A**

Replacing: 102211-8181, 102211-8180, 102211-8171, 102211-8170, 102211-8161, 102211-8160

Servicing: JCB, Land Rover

Position/B+ M6, **Terminal** W, **Pulley** w/o

C: 82.00 mm

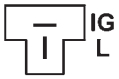
113856 Alternator 14 **V,** 40 **A**

Replacing: 101211-2963, 101211-2962, 101211-2961, 101211-2960, 100211-4730

Servicing: Kubota, Steiner

Position/B+ M6, **Pulley** w/o, **Fan** IF

B: 24.20 mm



113921 Alternator 14 **V,** 40 **A**

Replacing: 101211-1360, 100211-4771, 100211-4770, 100211-4740, 100211-4650, 100211-4610, 100211-4520

Servicing: Daihatsu, Iseki, Kubota, Piaggio

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.50 **B:** 24.00 mm

113975 Alternator 14 **V,** 150 **A**

Replacing: 104210-3921, 104210-3920

Servicing: John Deere

Position/B+ M6, **Pulley** SP, **Grooves** 8,

B: 58.00 **C:** 0.00 mm

114191 Alternator 14 **V,** 90 **A**

Replacing: 102211-9090

Servicing: Case

Position/B+ M8x1.25, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 74.80 **B:** 51.00 mm

114218 Alternator 14 **V,** 55 **A**

Replacing: 101211-2310, 101211-2240

Servicing: Caterpillar

Position/B+ M6, **Pulley** DP, **Grooves** 2, **Fan** F/IF

A: 95.00 **B:** 57.00 mm

114263 Alternator 14 **V,** 50 **A**

Replacing: 101211-3410

Servicing: John Deere

Position/B+ M6, **Pulley** SP, **Grooves** 1, Not Insulated return

A: 44.00 **B:** 21.10 mm

NEW PRODUCT
www.hc-cargo.com

114515 Alternator 14 **V,** 45 **A**

Replacing: 100211-6780

Servicing: Kubota

Pulley DP, **Grooves** 2, **Fan** IF

B: 24.00 mm

NEW PRODUCT
www.hc-cargo.com

114518 alternator 14 **V,** 55 **A**

Replacing: 101211-2951, 101211-2950

Servicing: Case, John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 21.00 mm

NEW PRODUCT
www.hc-cargo.com

114679 Alternator 14 **V,** 35 **A**

Replacing: 101211-1242, 101211-1240

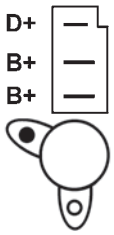
Pulley P, **Grooves** 1, **Fan** IF

NEW PRODUCT
www.hc-cargo.com

114683 Alternator 28 **V,** 80 **A**

Replacing: 101211-8271, 101211-8270

Pulley DP, **Grooves** 2, **Fan** EF



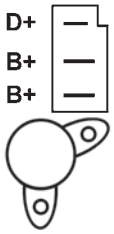
110178 Alternator 14 **V,** 36 **A**

Replacing: 516011

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110971 Alternator 14 **V,** 65 **A**

Replacing: 7530

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm

112768 Alternator 14 **V,** 55 **A**

Replacing: 451013

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm

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All measurements are in mm, unless else states

110611 Alternator 14 **V,** 44 **A**

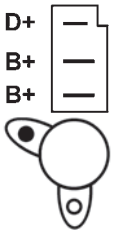
Replacing: A124N, 3370000

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm



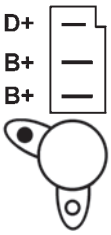
110968 Alternator 14 **V,** 70 **A**

Replacing: ALT2N-14

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



110178 Alternator 14 **V,** 36 **A**

Replacing: ALT12N-39, ALT12N-14, ALT12N-11, ALP12N-2

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm

110611 Alternator 14 **V,** 44 **A**

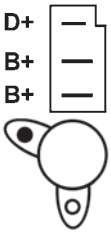
Replacing: ALB40-86, ALB40-68

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm



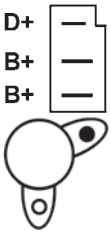
110968 Alternator 14 **V,** 70 **A**

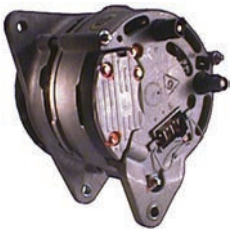
Replacing: ALT12N-2, ALT12N-13, ALF12-18

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm





110969 Alternator 14 **V,** 65 **A**

Replacing: ALP12N-1

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm

111289 Alternator 14 **V,** 70 **A**

Replacing: ALS12N-75, ALS12N-72, ALS12N-51

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110170 Alternator 14 **V,** 72 **A**

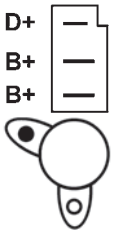
Replacing: D7NN10300B

Servicing: Ford

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 131175.

A: 74.75 **B:** 51.25 mm



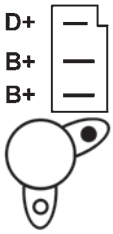
110178 Alternator 14 **V,** 36 **A**

Replacing: 77FB10300FB, 77FB10300FA, 76BB10300ED, 74DB10436A, 69EB10346AD, 5003897, 1537179, 1504563

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110179 Alternator 14 **V,** 36 **A**

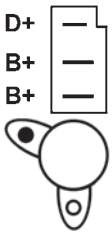
Replacing: 86BB10300DB, 86AB10300DA

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



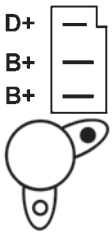
110770 Alternator 14 **V,** 55 **A**

Replacing: 873F10300BA, 86VB10300AA

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm



111184 Alternator 14 **V,** 43 **A**

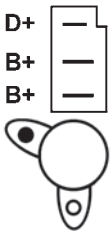
Replacing: 5010556

Servicing: Ford, Land Rover, Massey Ferguson, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.85 **C:** 81.00 mm



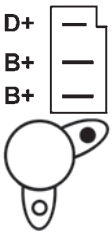
111289 Alternator 14 **V,** 70 **A**

Replacing: R72GB10346NA, 89AX10300HA, 89AX10300EA, 89AB10300HA, 89AB10300GA, 89AB10300EA, 86AB10300DB

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



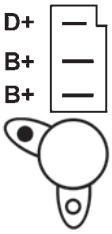
111356 Alternator 14 **V,** 55 **A**

Replacing: R89FX10300GB, 89FF10300GA, 89FF10300AC, 89FF10300AB, 6181359

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



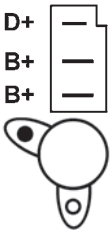
111362 Alternator 14 **V,** 55 **A**

Replacing: R86AX10300AB, 87BB10300BA, 86AX10300DB, 86AX10300AB, 86AB10300EB, 85BB10300DA, 83BB10300HA

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



111739 Alternator 14 **V,** 55 **A**

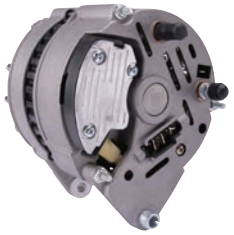
Replacing: F0NN10B376AB

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF

w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



111740 Alternator 14 **V,** 70 **A**

Replacing: E7NN10B376BB, E7NN10B376BA, E7NN10B376AB, E7NN10B376AA

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

112718 Alternator 14 **V,** 100 **A**

Replacing: F2NN10B376AA, F0NN10B376BB

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm

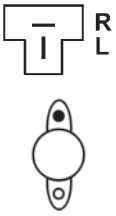
112747 Alternator 28 **V,** 55 **A**

Replacing: 83DB10346AA, 1620918

Servicing: Deutz-Fahr, Ford, Iveco, KHD

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



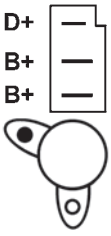
113562 Alternator 14 **V,** 40 **A**

Replacing: SBA185046320

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 42.00 **B:** 12.90 **C:** 81.50 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 81DB10300BA, 6173461

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113621 Alternator 14 **V,** 115 **A**

Replacing: 1C1T10300BB

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 33.55 **B:** 14.10 **C:** 83.35 mm

113623 Alternator 14 **V,** 70 **A**

Replacing: F2NN10B376CA, F2NN10B376BA, F0NN10B376AA

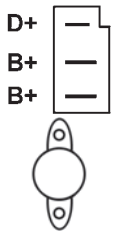
Servicing: Ford, Honda

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 12.00 **C:** 82.60 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



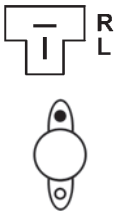
110107 Alternator 14 **V,** 55 **A**

Replacing: LR150-191, LR150-190

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



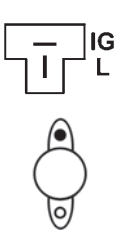
110448 Alternator 28 **V,** 20 **A**

Replacing: LR220-24, LR220-23

Servicing: Mitsubishi, Various Agriculture Vehicles

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 13.50 **C:** 81.30 mm



113401 Alternator 14 **V,** 40 **A**

Replacing: LR140-727, LR140-721E, LR140-721D, LR140-721C, LR140-721B, LR140-721, LR140-719, LR140-716

Servicing: John Deere, Kubota, Yanmar

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 41.50 **B:** 19.80 **C:** 67.20 mm

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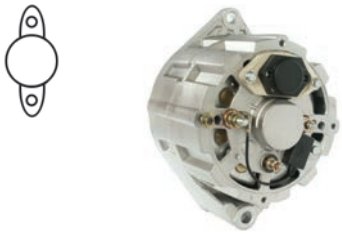
114671 Alternator 14 **V,** 120 **A**

Replacing: LR1190-912

Pulley w/o, **Fan** IF



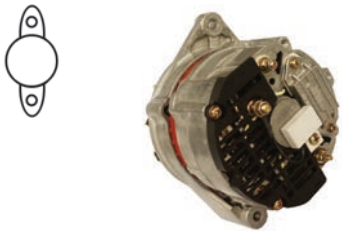
110043 Alternator 28 **V,** 45 **A**

Replacing: AAK3117, 11.201.807

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



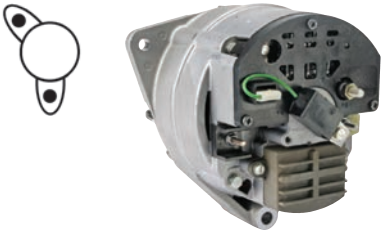
110105 Alternator 14 **V,** 55 **A**

Replacing: AAK3328, AAK1362, AAK1330, 11.201.929, 11.201.592, 11.201.453

Servicing: John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.30 **B:** 56.00 mm



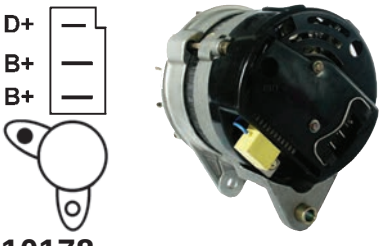
110117 Alternator 28 **V,** 40 **A**

Replacing: AAK1854, 11.209.447

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



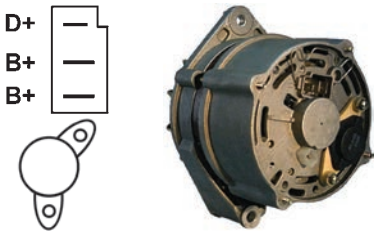
110178 Alternator 14 **V,** 36 **A**

Replacing: AAK4116, AAG1111, 11.201.272, 11.201.067

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



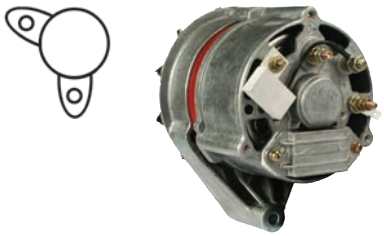
110360 Alternator 14 **V,** 45 **A**

Replacing: AAK3501, AAK1139, AAK1105, 11.201.601

Servicing: Audi, Deutz-Fahr, VW

Position/B+ 9.40, **Pulley** w/o, **Fan** w/o

B: 56.00 mm



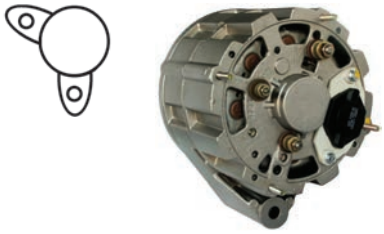
110641 Alternator 14 **V,** 33 **A**

Replacing: AAG1328, AAG1315, AAG1311, AAG1301, 11.201.372, 11.201.096, 11.201.027

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm



110761 Alternator 28 **V,** 35 **A**

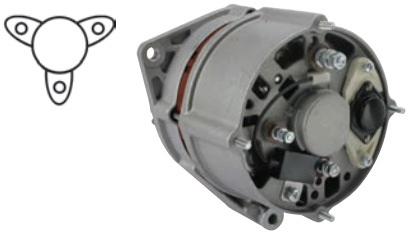
Replacing: AAK3557, AAK1134, 11.201.635

Servicing: Deutz-Fahr, MAN

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

Fan: Cargo 133875.

B: 80.00 mm



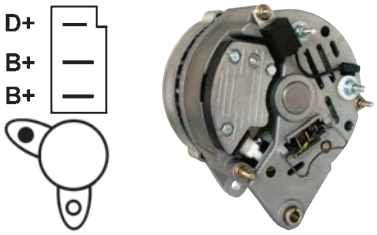
110766 Alternator 28 **V,** 27 **A**

Replacing: AAK4509, AAK1352, AAK1204, AAK1167, AAK1115, AAK1113, AAK1109, 11.201.574, 11.201.557, 11.201.186

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



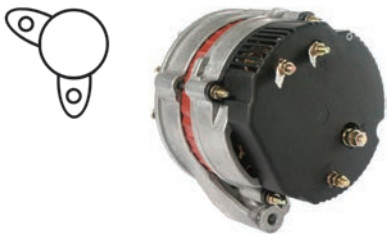
110770 Alternator 14 **V,** 55 **A**

Replacing: AAK4574, AAK4568, 11.201.728, 11.201.707

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm



110881 Alternator 14 **V,** 55 **A**

Replacing: AAK4349, AAK3579, AAK1189, 11.203.405, 11.201.512, 11.201.511, 11.201.478, 11.201.226

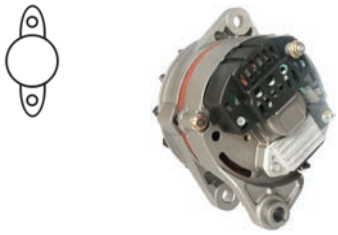
Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



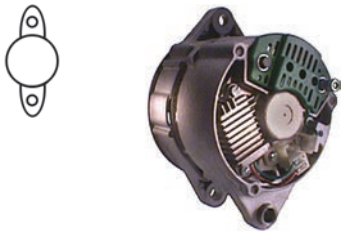
110882 Alternator 14 **V,** 45 **A**

Replacing: AAK4162, AAK3197, 11.209.443, 11.201.336, 11.201.070

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm



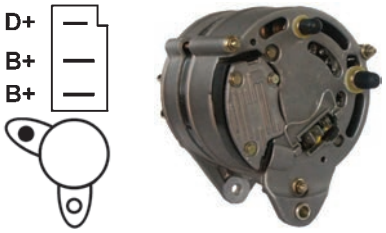
110890 Alternator 14 **V,** 55 **A**

Replacing: AAK4140, AAK3560, AAK1135, 11.201.457, 11.201.306, 11.201.242, 11.201.112

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



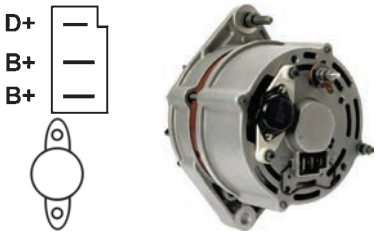
110968 Alternator 14 **V,** 70 **A**

Replacing: AAK1333, AAK1133, 11.201.470

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



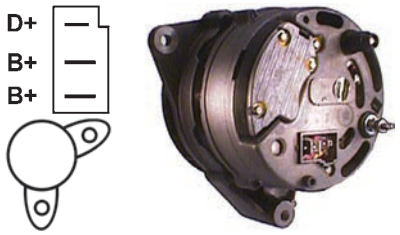
110970 Alternator 14 **V,** 65 **A**

Replacing: AAG1310, 11.201.095

Servicing: Massey Ferguson

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 58.00 **B:** 27.10 mm



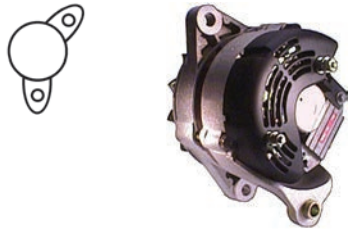
110971 Alternator 14 **V,** 65 **A**

Replacing: AAK4503, AAK4192, 11.201.544, 11.201.390

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm



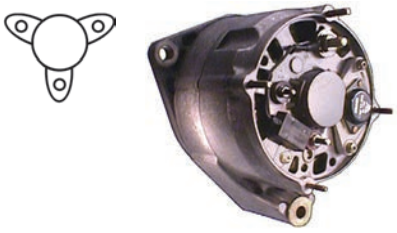
111035 Alternator 14 **V,** 65 **A**

Replacing: AAK3538, AAK3529, AAK1175, AAK1172, AAK1171, AAK1163, AAK1123, AAG0403, 11.201.432, 11.201.405

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



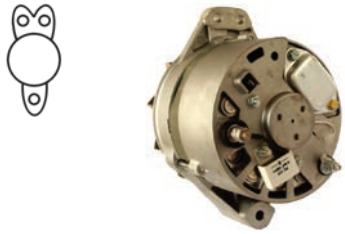
111141 Alternator 14 **V,** 55 **A**

Replacing: AAK4549, AAK1301, AAK1130, 11.201.685, 11.201.102, 11.201.097

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



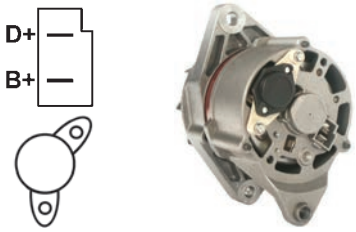
111168 Alternator 14 **V,** 55 **A**

Replacing: AAK4133, AAK3129, 11.201.927, 11.201.299

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



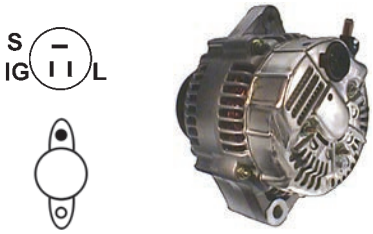
111180 Alternator 14 **V,** 33 **A**

Replacing: AAG1130, AAG1104, AAG0402, 11.201.783, 11.201.037

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



111215 Alternator 14 **V,** 120 **A**

Replacing: AAK5197, 11.201.989

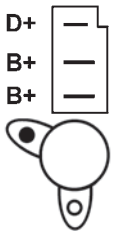
Servicing: John Deere

Position/B+ M8, **Pulley** DP, **Grooves** 2, **Fan** IF

A: 94.60 **B:** 57.65 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



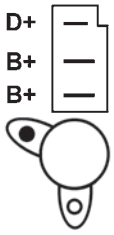
111289 Alternator 14 **V,** 70 **A**

Replacing: AAK4524, AAK4520, AAK4519, AAK4513, AAK4135, AAK3590, AAK1358, AAK1114, 11.201.676, 11.201.579

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



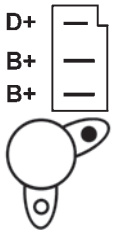
111355 Alternator 14 **V,** 65 **A**

Replacing: AAK4598, AAK4523, AAK3369, AAK3312, 11.203.097, 11.201.876, 11.201.810, 11.201.578

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



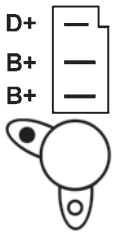
111356 Alternator 14 **V,** 55 **A**

Replacing: AAK4532, 11.201.587

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



111362 Alternator 14 **V,** 55 **A**

Replacing: AAK1329, AAK1325, 11.201.415, 11.201.399

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111369 Alternator 14 **V,** 90 **A**

Replacing: AAK5501, AAK5305, 11.209.001, 11.203.004

Servicing: Mercedes-Benz, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.00 mm

111419 Alternator 28 **V,** 55 **A**

Replacing: AAK4507, 11.201.555

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

111528 Alternator 28 **V,** 55 **A**

Replacing: AAK3332, AAK1369, 11.201.937, 11.201.710

Servicing: Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 51.50 mm

111620 Alternator 14 **V,** 65 **A**

Replacing: AAK4562, AAK4158, 11.201.701

Servicing: Alfa Romeo, Ferrari, Fiat, Lancia, Various Agriculture Vehicles

Position/B+ M6, **Pulley** SP, **Grooves** 5, **Fan** EF

A: 47.75 **B:** 16.30 **C:** 63.00 mm

111649 Alternator 14 **V,** 33 **A**

Replacing: AAG1343, 11.201.784

Servicing: Claas, Eicher, John Deere, Lamborghini, Same

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.00 **B:** 56.00 mm

111662 Alternator 14 **V,** 33 **A**

Replacing: AAG1341, AAG1340, AAG1338, AAG1314, 11.201.507, 11.201.502, 11.201.500, 11.201.115

Servicing: Agrifull, Arona, Case, Ferrari, Goldoni, Lombardini

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

111686 Alternator 14 **V,** 65 **A**

Replacing: AAK4176, AAK4155, AAK4154, AAK1228, 11.201.514, 11.201.463, 11.201.357, 11.201.329, 11.201.328

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm

111740 Alternator 14 **V,** 70 **A**

Replacing: AAK1344, AAK1343, 11.201.504, 11.201.503

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm

111833 Alternator 28 **V,** 140 **A**

Replacing: AAT1339, AAT1338, AAT1321, AAT1308, AAT1306, AAT1302, 11.203.241, 11.203.240, 11.203.139

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

111843 Alternator 14 **V,** 95 **A**

Replacing: AAK5165, AAK4831, AAK4307, AAK1815, 11.204.396, 11.203.660, 11.203.268, 11.201.875

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o

B- M8.

A: 74.60 **B:** 51.00 mm

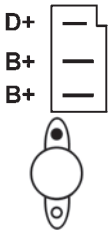
111888 Alternator 14 **V,** 65 **A**

Replacing: AAK3330, AAK1363, 11.201.935, 11.201.595

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm



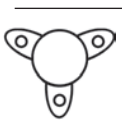
111948 Alternator 14 **V,** 70 **A**

Replacing: AAK4554, 11.201.693

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm



111978 Alternator 14 **V,** 120 **A**

Replacing: AKK4322, 11.203.333

Servicing: Claas, Fendt

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

112046 Alternator 14 **V,** 95 **A**

Replacing: AAK4320, AAK3822, AAK1811, AAK1312, 11.204.054, 11.203.656, 11.203.331, 11.201.991

Servicing: Deutz-Fahr, Iveco

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm

112062 Alternator 14 **V,** 115 **A**

Replacing: AAN5156, 11.203.204

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: AAK3564, AAK1209, AAK1110, 11.201.468, 11.201.075, 11.201.055

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

112098 Alternator 14 **V,** 65 **A**

Replacing: AAK4351, AAK4313, AAK3547, AAK1370, AAK1182, 11.203.415, 11.203.301, 11.201.499, 11.201.444

Servicing: Case, Claas, Eicher, Iveco, Lamborghini, Mercedes-Benz, NSU, Steyr, Zetor

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.00 **B:** 56.00 mm

112170 Alternator 28 **V,** 50 **A**

Replacing: AAK3336, AAK1387, 11.201.941, 11.201.759

Servicing: Case, Komatsu

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Dust proof.

B: 51.00 mm

112183 Alternator 14 **V,** 60 **A**

Replacing: AAK2306, AAK2301, 11.203.106, 11.201.292

Servicing: KHD, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

112194 Alternator 14 **V,** 120 **A**

Replacing: AAN5127, 11.203.110

Servicing: Dodge, Mercedes-Benz, Ssangyong, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 82.20 **B:** 56.00 mm

112196 Alternator 14 **V,** 143 **A**

Replacing: AAN5136, 11.203.119

Servicing: Fendt

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

112310 Alternator 14 **V,** 55 **A**

Replacing: AAK1193, AAK1151, 11.201.230, 11.201.146

Servicing: BMW, Volvo BM

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 74.00 **B:** 50.70 mm

112389 Alternator 14 **V,** 85 **A**

Replacing: AAK5115, 11.201.667

Servicing: Deutz-Fahr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 55.90 mm

112529 Alternator 14 **V,** 90 **A**

Replacing: AAK5391, AAK5382, AAK5306, 11.203.186, 11.203.167, 11.203.005

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm

112556 Alternator 14 **V,** 95 **A**

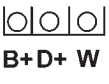
Replacing: AAK5363, AAK5315, AAK5118, AAK5114, 11.203.098, 11.203.016, 11.201.675, 11.201.666

Servicing: Same, Valtra

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

Dust proof.

B: 56.00 mm



112718 Alternator 14 **V,** 100 **A**

Replacing: AAK5326, 11.203.042

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm

112736 Alternator 14 **V,** 65 **A**

Replacing: AAK1378, 11.201.570

Servicing: Deutz-Fahr, Fahr, Iveco

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.50 **B:** 56.10 mm

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All measurements are in mm, unless else states

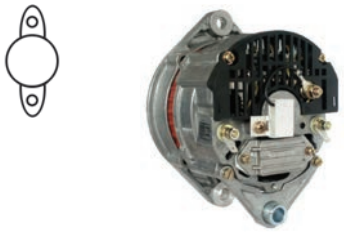
112747 Alternator 28 **V,** 55 **A**

Replacing: AAK3318, 11.201.903

Servicing: Deutz-Fahr, Ford, Iveco, KHD

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



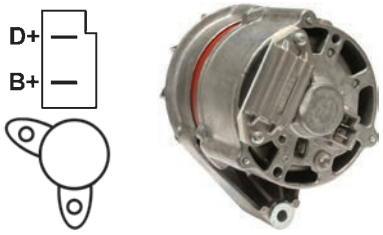
112768 Alternator 14 **V,** 55 **A**

Replacing: AAK4518, AAK4138, AAK1117, 11.201.571, 11.201.304, 11.201.071

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm



113469 Alternator 14 **V,** 33 **A**

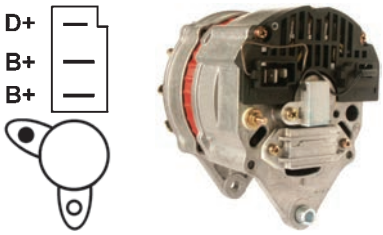
Replacing: AAG1307, 11.201.062

Servicing: Marshall, Steyr

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Dust proof.

A: 75.50 **B:** 55.90 mm



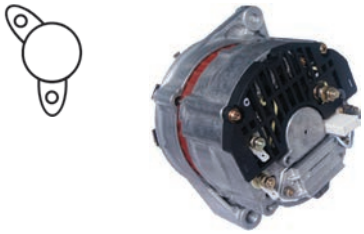
113474 Alternator 14 **V,** 65 **A**

Replacing: AAK3320, AAK1324, 11.201.913, 11.201.396

Servicing: Austin, Landini, Massey Ferguson, Rover

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.90 **B:** 11.00 **C:** 82.55 mm



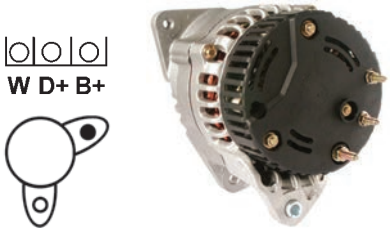
113477 Alternator 28 **V,** 55 **A**

Replacing: AAK3334, AAK1383, 11.201.939, 11.201.746

Servicing: DAF, Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF, Insulated return

A: 72.50 **B:** 50.80 mm



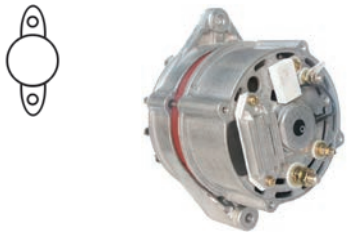
113529 Alternator 14 **V,** 120 **A**

Replacing: AAK5355, AAK5354, 11.203.088, 11.203.087

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 32.00 **B:** 14.10 **C:** 83.30 mm



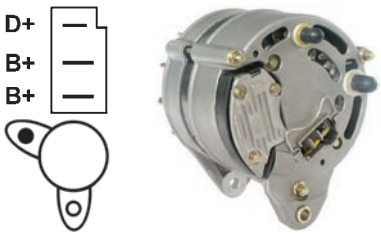
113531 Alternator 14 **V,** 120 **A**

Replacing: AAK4321, 11.203.332

Servicing: John Deere

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 56.20 mm



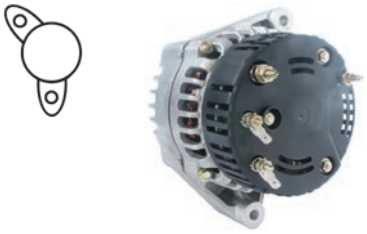
113574 Alternator 14 **V,** 65 **A**

Replacing: AAK4118, 11.201.276

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm



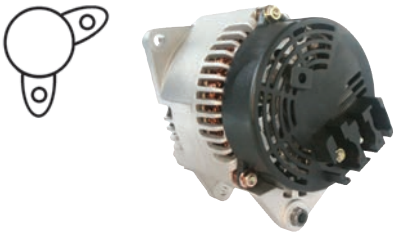
113610 Alternator 14 **V,** 120 **A**

Replacing: AAK5364, AAK5181, 11.203.099

Servicing: Valtra

Position/B+ M8x1.25/14.00, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.00 mm



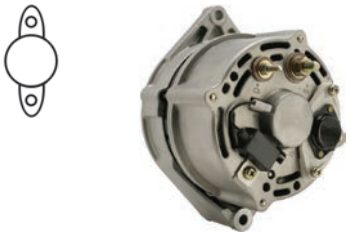
113621 Alternator 14 **V,** 115 **A**

Replacing: AAK5759, AAK5746, AAK5592, 11.203.822, 11.203.730, 11.203.494

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 33.55 **B:** 14.10 **C:** 83.35 mm



113632 Alternator 14 **V,** 85 **A**

Replacing: AAK3329, 11.201.934

Servicing: John Deere, Lada

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.10 mm

113707 Alternator 14 **V,** 200 **A**

Replacing: AAN5840, 11.204.424

Servicing: John Deere

Position/B+ M8, **Pulley** w/o, **Fan** IF

B: 56.00 mm

113738 Alternator 28 **V,** 55 **A**
Replacing: AAK5565, AAK5376, 11.203.396, 11.203.155
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF
Dust proof.
B: 56.00 mm

113949 Alternator 14 **V,** 150 **A**
Replacing: AAN5122, AAN5120, 11.203.065, 11.203.051
Servicing: Claas, John Deere
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF
B: 56.00 mm

NEW PRODUCT
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113986 Alternator 14 **V,** 120 **A**
Replacing: AAK5388, 11.203.181
Servicing: Claas
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 76.80 **B:** 50.00 mm

113999 Alternator 14 **V,** 150 **A**
Replacing: AAN5771, AAN5502, AAN5318, AAN5138, 11.204.159, 11.203.870, 11.203.363, 11.203.124
Servicing: Case, Cummins, John Deere, New Holland
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF, Not Insulated return
w/o pulley.
B: 13.87 **C:** 103.27 mm

NEW PRODUCT
www.hc-cargo.com

114000 Alternator 14 **V,** 120 **A**
Replacing: AAK5533, 11.203.281
Servicing: Claas
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 83.00 **B:** 56.00 mm

114049 Alternator 14 **V,** 120 **A**
Replacing: AAK5562, AAK5323, AAK5194, AAK5193, AAK5189, 11.203.388, 11.203.365, 11.203.033, 11.201.976
Servicing: Massey Ferguson
Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF, Not Insulated return
B: 14.23 **C:** 82.50 mm

NEW PRODUCT
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114110 Alternator 28 **V,** 80 **A**
Replacing: AAN5121, AAN5116, 11.203.064, 11.203.043
Servicing: Deutz-Fahr, KHD
Fan IF

114192 Alternator 14 **V,** 200 **A**
Replacing: AAN5511, AAN5346, 11.204.187, 11.203.389
Servicing: Deutz-Fahr, Fendt
Pulley w/o, **Fan** IF

114379 Alternator 14 **V,** 150 **A**
Replacing: AAN5869, 11.204.502
Servicing: John Deere
Position/B+ M8, **Pulley** w/o, **Fan** IF, Not Insulated return
B: 56.30 mm

NEW PRODUCT
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114450 Alternator 14 **V,** 120 **A**
Replacing: AAK4314, AAK1832, 11.204.484, 11.204.327, 11.203.714, 11.203.302
Servicing: Case, New Holland
Pulley SP, **Grooves** 8, **Fan** EF

NEW PRODUCT
www.hc-cargo.com

114464 Alternator 28 **V,** 55 **A**
Replacing: AAK5334, 11.203.061
Servicing: KHD
Pulley w/o, **Fan** IF
B: 55.00 mm

NEW PRODUCT
www.hc-cargo.com

114465 Alternator 14 **V,** 70 **A**
Replacing: AAK3339, 11.201.945
Servicing: Volvo BM
Position/B+ M8, **Pulley** P, **Grooves** 1, **Fan** EF
Dust proof.
A: 76.00 **B:** 51.00 mm

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NEW PRODUCT
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114469 Alternator 14 **V,** 175 **A**
Replacing: AAN5702, 11.203.720, 11.203.191
Servicing: Case
Position/B+ M8x1.25, **Pulley** w/o, **Fan** IF
Dust proof.
B: 13-50 **C:** 101.00 mm

NEW PRODUCT
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114470 Alternator 14 **V,** 120 **A**
Replacing: AAK3380, 11.203.151
Servicing: Deutz-Fahr
Position/B+ M8, **Pulley** w/o, **Fan** EF
B: 56.00 mm

NEW PRODUCT
www.hc-cargo.com

114513 Alternator 14 **V,** 95 **A**
Replacing: AAK5125, 11.201.738
Servicing: Claas, Renault Agriculture
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 83.00 **B:** 56.00 mm

NEW PRODUCT
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114514 Alternator 14 **V,** 95 **A**
Replacing: AAK5157, 11.201.830
Servicing: Renault Agriculture
Position/B+ M8, **Pulley** SP, **Grooves** 8, **Fan** IF
A: 77.10 **B:** 50.00 mm

NEW PRODUCT
www.hc-cargo.com

114671 Alternator 14 **V,** 120 **A**
Replacing: AAK5599, AAK5577, AAK5560, 11.203.523, 11.203.423, 11.203.383
Pulley w/o, **Fan** IF

110801 Alternator 28 **V,** 45 **A**

Replacing: A0012303JB, 2303JB

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm

113740 Alternator 14 **V,** 160 **A**

Replacing: A0012800JB, 2800JB, 2800J

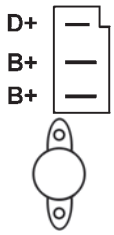
Servicing: Caterpillar, Deutz-Fahr, Ford, International, Various, Volvo

Position/B+ 5/16" UNC, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 45.00 **B:** 14.85 **C:** 101.25 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



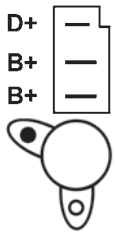
110107 Alternator 14 **V,** 55 **A**

Replacing: 66021147, 24204, 24124, 24033A, 24033

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



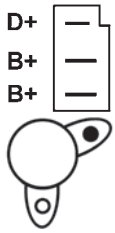
110178 Alternator 14 **V,** 36 **A**

Replacing: 54022165, 54022083, 54022032, 54022017, 54022006, 54021993, 54021918, 54021917, 54021898, 54021868

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110179 Alternator 14 **V,** 36 **A**

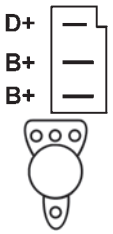
Replacing: 54022084, 54022011, 54021985, 54021845, 54021810, 54021493, 24180, 24153, 24141, 24133, 24108

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



110497 Alternator 14 **V,** 70 **A**

Replacing: NAB900, 66921126, 66021070

Servicing: Austin-Healey, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 41.50 **B:** 10.50 **C:** 84.00 mm

110641 Alternator 14 **V,** 33 **A**

Replacing: 24171

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm

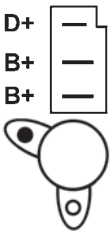
110766 Alternator 28 **V,** 27 **A**

Replacing: A0924

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



110770 Alternator 14 **V,** 55 **A**

Replacing: LEA0124, LEA0117, LEA0033, 54022686, 54022625, 54022623, 54022621, 54022616, 54022590, 54022554

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm

110882 Alternator 14 **V,** 45 **A**

Replacing: LEA0451, LEA0029, 61920270

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm

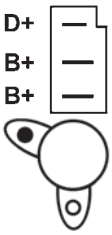
110890 Alternator 14 **V,** 55 **A**

Replacing: LEA0015, 61920269

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



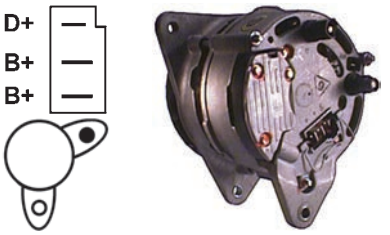
110968 Alternator 14 **V,** 70 **A**

Replacing: NAB300, 66021113, 60921030, 60921029, 60210167, 60210165, 60210164, 60210163, 60210158, 60021066

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



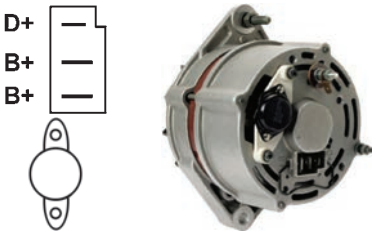
110969 Alternator 14 **V,** 65 **A**

Replacing: NAB301, 60921031, 60921028, 60210160, 60210159, 60021065, 60021061, 60021041, 60021015, 60021012

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



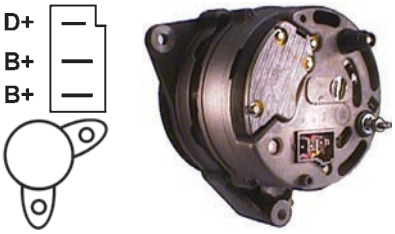
110970 Alternator 14 **V,** 65 **A**

Replacing: NAB302

Servicing: Massey Ferguson

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 58.00 **B:** 27.10 mm



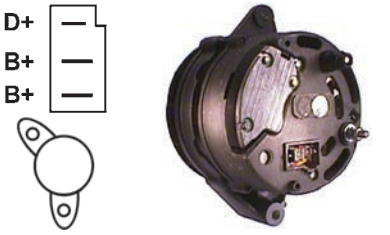
110971 Alternator 14 **V,** 65 **A**

Replacing: NAB303, 66021148

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 85.00 **B:** 56.00 mm



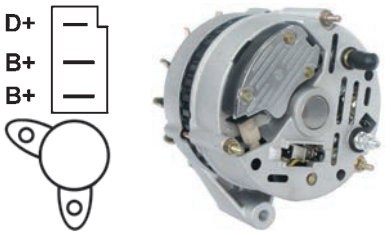
110972 Alternator 14 **V,** 65 **A**

Replacing: NAB304, 66021149, 66021101, 60021056, 60021055, 60021054

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



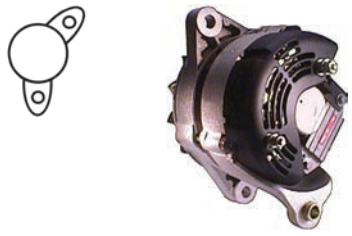
110975 Alternator 14 **V,** 65 **A**

Replacing: NAB307, 66021152, 60021068, 60021067, 60021063, 60021026, 54021649

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm



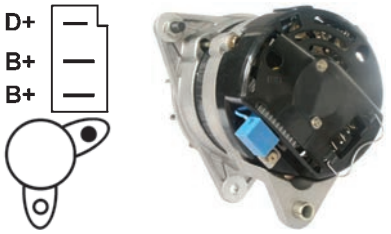
111035 Alternator 14 **V,** 65 **A**

Replacing: LEA0045, 54022240, 54022171, 24214A, 24214, 24213A, 24213, 24203

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



111184 Alternator 14 **V,** 43 **A**

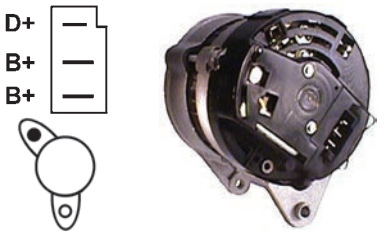
Replacing: LEA0028, LEA0003, LEA0002, 61920289, 61920287, 61920107, 54021987, 54021873, 54021764, 54021551

Servicing: Ford, Land Rover, Massey Ferguson, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.85 **C:** 81.00 mm



111185 Alternator 14 **V,** 43 **A**

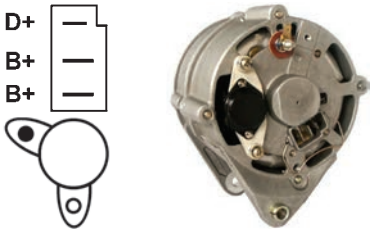
Replacing: LEA0010, LEA0001, 54021350, 26921046, 26021235, 24185, 24181A, 24134A, 24134, 24099A, 24099, 24082

Servicing: Austin, Case, Ford, Land Rover, LDV, Lotus, Massey Ferguson, MG, Morris, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.80 **C:** 81.00 mm



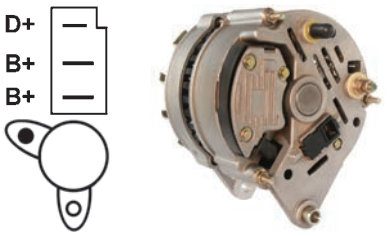
111289 Alternator 14 **V,** 70 **A**

Replacing: LEA0044, LEA0034, LEA0011, LEA0004, 61920314, 61920311, 54022620, 54022572, 54022243, 54022147

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



111355 Alternator 14 **V,** 65 **A**

Replacing: LEA0134, LEA0112, LEA0036, LEA0035, 54022752, 54022647, 54022642, 54022639, 54022579, 54022428

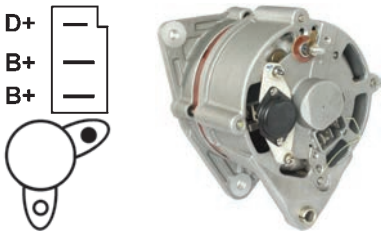
Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



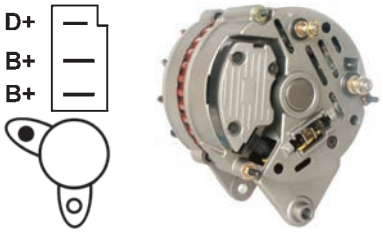
111356 Alternator 14 **V,** 55 **A**

Replacing: LEA0128, 54022595, 54022581, 54022418, 54022410, 54022389, 54022342, 54022313, 54022291, 54022285

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



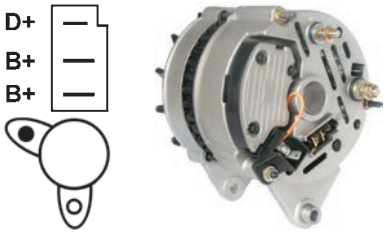
111362 Alternator 14 **V,** 55 **A**

Replacing: LEA0074, LEA0055, 54022803, 54022740, 54022695, 54022668, 54022598, 54022335, 54022241, 54022211

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



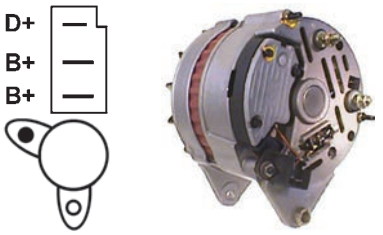
111363 Alternator 14 **V,** 45 **A**

Replacing: LEA0066, 54022481, 54022310, 54022292, 24327A, 24256C, 24256A, 24256, 24246A, 24246

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.70 **B:** 11.00 **C:** 83.00 mm



111739 Alternator 14 **V,** 55 **A**

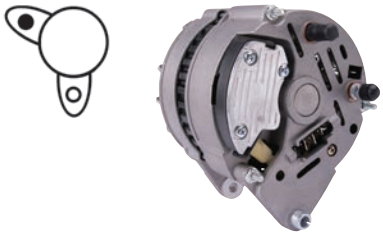
Replacing: LEA0120, 54022336, 24273A, 24273

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF

w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



111740 Alternator 14 **V,** 70 **A**

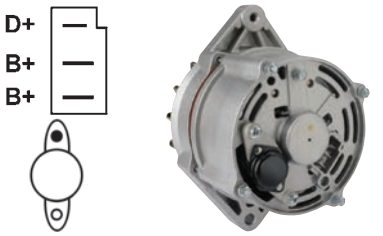
Replacing: LEA121, LEA0121, LEA0111, 54022337, 24400, 24274A, 24274, 24250, 24186B, 24186A, 24186

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm



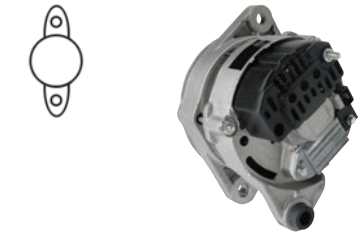
111948 Alternator 14 **V,** 70 **A**

Replacing: LEA0009, 24123A, 24123, 24087D, 24087B, 24087A, 24087, 24022A, 24022, 24019A, 24019, 23880, 23865A

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm



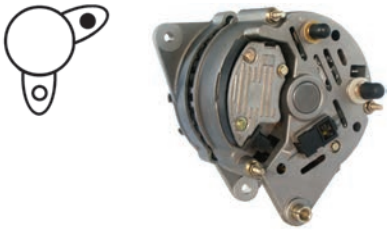
112097 Alternator 28 **V,** 30 **A**

Replacing: LRA2378, LEA0016, A0828, 61920271

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm



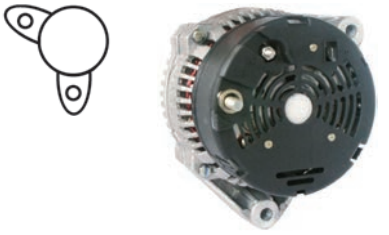
112238 Alternator 14 **V,** 65 **A**

Replacing: LEA0038, 54022663, 54022646, 54022591, 54022552, 54022510, 54022393, 54022268, 54022267, 54022256

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm



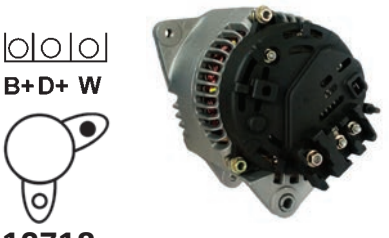
112529 Alternator 14 **V,** 90 **A**

Replacing: LRA1860

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm



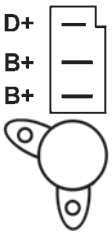
112718 Alternator 14 **V,** 100 **A**

Replacing: 54022527, 54022443

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm



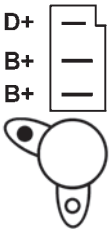
112722 Alternator 14 **V,** 70 **A**

Replacing: LEA0060, LEA0058, LEA0057, 54022751, 54022746, 54022656, 54022580, 54022561, 54022560, 54022532

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 10.50 **C:** 83.50 mm



113474 Alternator 14 **V,** 65 **A**

Replacing: 54022007, 54022001, 24090, 24067, 24034, 24015, 24013, 23996, 23943, 23938, 23937, 23902, 23862

Servicing: Austin, Landini, Massey Ferguson, Rover

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.90 **B:** 11.00 **C:** 82.55 mm

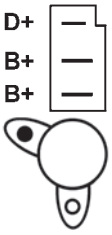
113543 Alternator 14 **V,** 55 **A**

Replacing: LRA02116

Servicing: John Deere

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 77.40 **B:** 50.75 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 24049B, 24049A, 24049, 23680

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113623 Alternator 14 **V,** 70 **A**

Replacing: 54022626, 54022525, 54022397, 24415, 24414, 24385, 24384, 24295B, 24295A, 24295

Servicing: Ford, Honda

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 12.00 **C:** 82.60 mm

113683 Alternator 14 **V,** 36 **A**

Replacing: 40001C01, 26921168A, 26921168, 26021278, 26021276, 004001C01

Servicing: Mahindra

Pulley P, **Grooves** 1, **Fan** EF

A: 90.60 **B:** 56.00 mm

113763 Alternator 14 **V,** 85 **A**

Replacing: 54022606, 54022524, 54022469, 54022466, 24480, 24479

Servicing: JCB, Land Rover

Position/B+ M6, **Terminal** W, **Pulley** w/o

C: 82.00 mm

114360 Alternator 14 **V,** 70 **A**

Replacing: 3933142M91, 114360

Servicing: JCB, Massey Ferguson

Position/B+ M6, **Terminal** W

B: 11.50 **C:** 83.00 mm

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All measurements are in mm, unless else states

110611 Alternator 14 **V,** 44 **A**

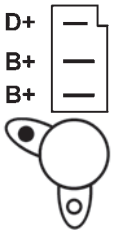
Replacing: 63304800, 63303500, 63303192, 63303191, 63303150, 63303140, 63303130, 63303120, 63303110, 63303100

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm



110770 Alternator 14 **V,** 55 **A**

Replacing: 63324157

Servicing: Austin, LDV, Massey Ferguson, MG, Rover, Vauxhall

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 11.20 **C:** 82.00 mm

110881 Alternator 14 **V,** 55 **A**

Replacing: 943356826

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm

110882 Alternator 14 **V,** 45 **A**

Replacing: 943356305, 943321044, 943320021, 943305226, 63321037, 63321036, 63321035, 63320021, 63307256

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 16.25 **C:** 63.00 mm

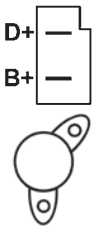
110890 Alternator 14 **V,** 55 **A**

Replacing: 943356353, 943320023, 63321180, 63321041, 63320100, 63320023, 63307841, 63307536, 63307526

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



110899 Alternator 14 **V,** 33 **A**

Replacing: 63362006, 63362004, 63362003, 63300506

Servicing: Agrifull, DAF, Fiat, Volvo

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130675.

A: 48.45 **B:** 24.00 **C:** 74.00 mm

110912 Alternator 14 **V,** 55 **A**

Replacing: 63321493, 63321197, 63321172, 63321080, 63321071, 63321061, 63321010, 63321008, 63320141, 63320128

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm

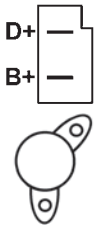
111035 Alternator 14 **V,** 65 **A**

Replacing: 63505101, 63321154, 63321005, 63321003, 63320130, 63320056, 63320028, 63320004, 63307431, 63307401

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



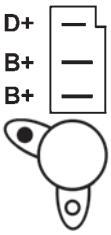
111180 Alternator 14 **V,** 33 **A**

Replacing: 943356274, 63300931, 63300921, 63300920, 63300901, 63300900, 63300802, 63300521, 30680274

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



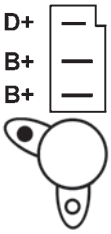
111289 Alternator 14 **V,** 70 **A**

Replacing: 943358010, 943356639, 943356633, 63358020, 63358010

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



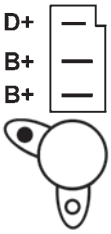
111355 Alternator 14 **V,** 65 **A**

Replacing: 63324387, 63324294, 63324245, 54208288

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



111363 Alternator 14 **V,** 45 **A**

Replacing: 63325256, 63324327

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.70 **B:** 11.00 **C:** 83.00 mm

111620 Alternator 14 **V,** 65 **A**

Replacing: 943321086, 943321084, 943321017, 63321153, 63321152, 63321096, 63321086, 63321084, 63321072

Servicing: Alfa Romeo, Ferrari, Fiat, Lancia, Various Agriculture Vehicles

Position/B+ M6, **Pulley** SP, **Grooves** 5, **Fan** EF

A: 47.75 **B:** 16.30 **C:** 63.00 mm

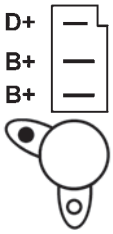
111686 Alternator 14 **V,** 65 **A**

Replacing: 943321019, 943320049, 63321146, 63321099, 63321031, 63321022, 63321021, 63321020, 63321019

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



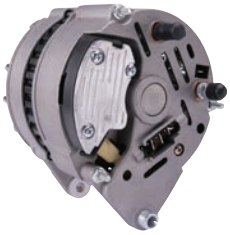
111739 Alternator 14 **V,** 55 **A**

Replacing: 63324273

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF
w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



111740 Alternator 14 **V,** 70 **A**

Replacing: 63324274

Servicing: Ford

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF
w/ battery sensor terminal.

A: 35.50 **B:** 11.30 **C:** 82.70 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 943320025, 63321163, 63321161, 63321115, 63321104, 63321063, 63321055, 63321052, 63321050, 63321049

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112238 Alternator 14 **V,** 65 **A**

Replacing: 63324242

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm

112718 Alternator 14 **V,** 100 **A**

Replacing: 63321346, 63321285

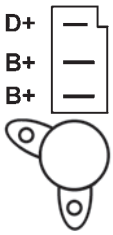
Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states



112722 Alternator 14 **V,** 70 **A**

Replacing: 63324407

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 10.50 **C:** 83.50 mm

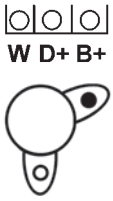
112768 Alternator 14 **V,** 55 **A**

Replacing: 943356316, 943321095, 63321095, 63320037, 63305120, 30680316

Servicing: Alfa Romeo, Goldoni

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 45.00 **B:** 17.00 **C:** 70.00 mm



113529 Alternator 14 **V,** 120 **A**

Replacing: 63321753

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** IF

A: 32.00 **B:** 14.10 **C:** 83.30 mm

113621 Alternator 14 **V,** 115 **A**

Replacing: 63321817, 63321743

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 33.55 **B:** 14.10 **C:** 83.35 mm

113623 Alternator 14 **V,** 70 **A**

Replacing: 63324385, 63324384, 63324295

Servicing: Ford, Honda

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 12.00 **C:** 82.60 mm

113763 Alternator 14 **V,** 85 **A**

Replacing: 63377462, 63377461, 63377460, 63321466, 63320349

Servicing: JCB, Land Rover

Position/B+ M6, **Terminal** W, **Pulley** w/o

C: 82.00 mm

114384 Alternator 14 **V,** 85 **A**

Replacing: 63321744

Servicing: Case, New Holland

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 17.00 **C:** 63.40 mm

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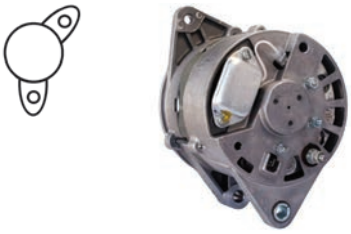
114669 Alternator 14 **V,** 65 **A**

Replacing: 63321503, 63321458, 63321424, 63320137, 63320124

Servicing: New Holland

Position/B+ M6

B: 17.00 **C:** 65.00 mm



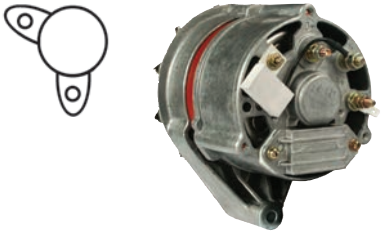
110621 Alternator 14 **V,** 55 **A**

Replacing: 9516653, 9516650, 443113516653, 443113516650, 334113516653

Servicing: Chang Feng (Liebao), Zetor, ZTS Tees

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 27.00 **C:** 65.85 mm



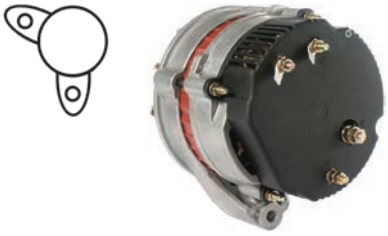
110641 Alternator 14 **V,** 33 **A**

Replacing: 9515311, 9515310

Servicing: Bosch, BPM, Case, Claas, Deutz-Fahr, Fahr, Fendt, Goldoni, Kramer, Lamborghini, Liebherr, Linde

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.30 **B:** 56.00 mm



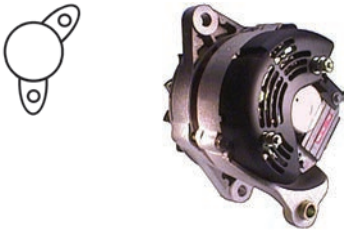
110881 Alternator 14 **V,** 55 **A**

Replacing: 8515220

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm



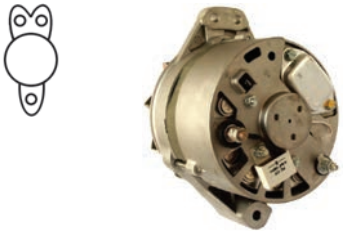
111035 Alternator 14 **V,** 65 **A**

Replacing: 9516714

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



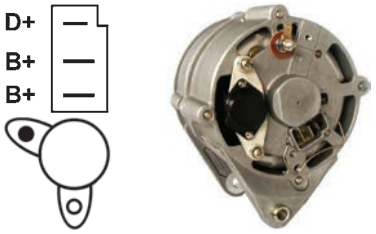
111168 Alternator 14 **V,** 55 **A**

Replacing: 9516761, 9516760, 9516716, 443113516761

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



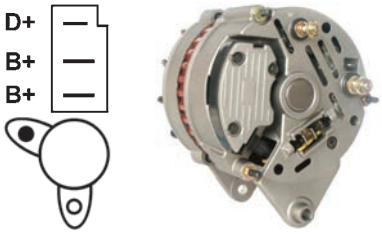
111289 Alternator 14 **V,** 70 **A**

Replacing: 9516742, 9516740, 9516709, 9515734

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



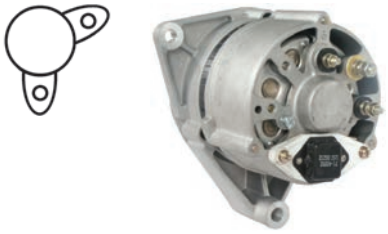
111362 Alternator 14 **V,** 55 **A**

Replacing: 443113516701, 443113516700

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm



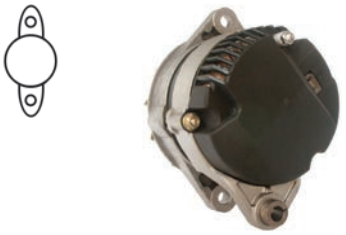
111662 Alternator 14 **V,** 33 **A**

Replacing: 9513053

Servicing: Agrifull, Arona, Case, Ferrari, Goldoni, Lombardini

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



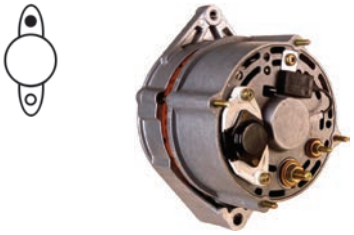
111686 Alternator 14 **V,** 65 **A**

Replacing: 9515080

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



111843 Alternator 14 **V,** 95 **A**

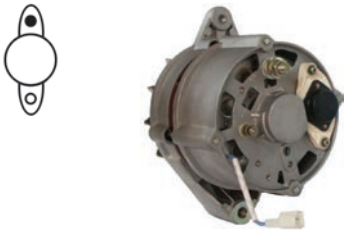
Replacing: 9515180, 9513160

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o

B- M8.

A: 74.60 **B:** 51.00 mm



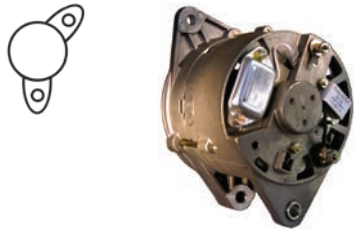
111888 Alternator 14 **V,** 65 **A**

Replacing: 9515170

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm



112035 Alternator 14 **V,** 70 **A**

Replacing: 9516673, 443113516673, 443113516670

Servicing: Zetor

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 27.10 **C:** 66.00 mm

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All measurements are in mm, unless else states

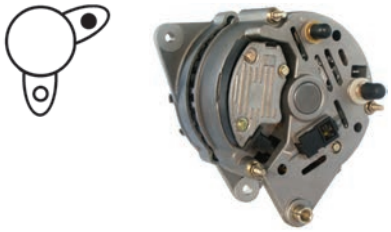
112098 Alternator 14 **V,** 65 **A**

Replacing: 9516693, 9515010, 9513031, 443113516693, 443113516690

Servicing: Case, Claas, Eicher, Iveco, Lamborghini, Mercedes-Benz, NSU, Steyr, Zetor

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 77.00 **B:** 56.00 mm



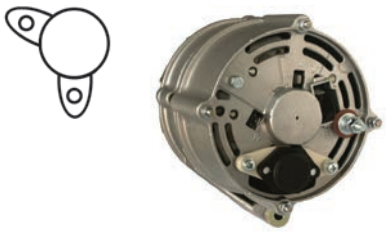
112238 Alternator 14 **V,** 65 **A**

Replacing: 9515040

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm



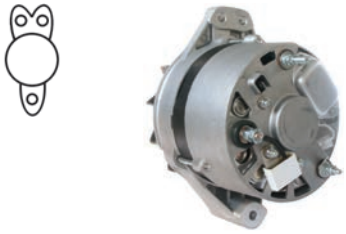
112736 Alternator 14 **V,** 65 **A**

Replacing: 9515230

Servicing: Deutz-Fahr, Fahr, Iveco

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 76.50 **B:** 56.10 mm



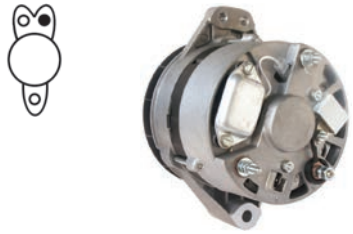
113542 Alternator 14 **V,** 55 **A**

Replacing: 9516765, 9515765, 443113515765

Servicing: John Deere

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.00 **B:** 56.00 mm



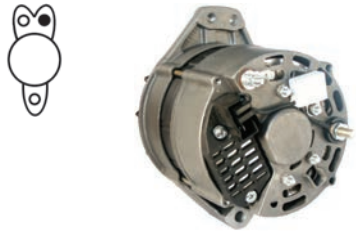
113543 Alternator 14 **V,** 55 **A**

Replacing: 9516241, 9515241, 443113516241, 443113515241

Servicing: John Deere

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 77.40 **B:** 50.75 mm



113552 Alternator 14 **V,** 120 **A**

Replacing: 9515122, 9515112

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 77.00 **B:** 50.80 mm

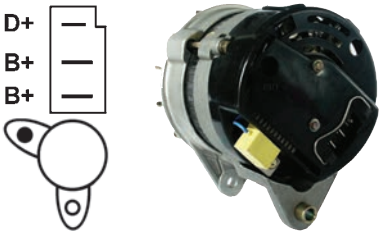
113632 Alternator 14 **V,** 85 **A**

Replacing: 9515361, 9515102, 9513170, 9513071

Servicing: John Deere, Lada

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 56.10 mm



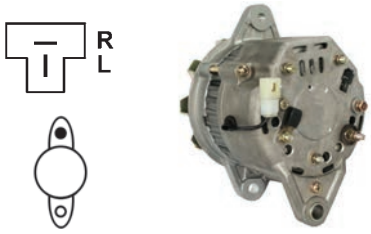
110178 Alternator 14 **V,** 36 **A**

Replacing: AH2140B14

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



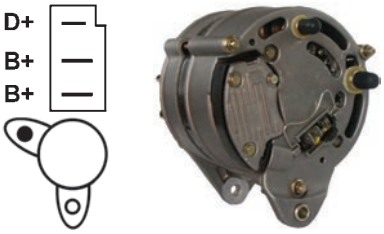
110448 Alternator 28 **V,** 20 **A**

Replacing: A1T70783

Servicing: Mitsubishi, Various Agriculture Vehicles

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 13.50 **C:** 81.30 mm



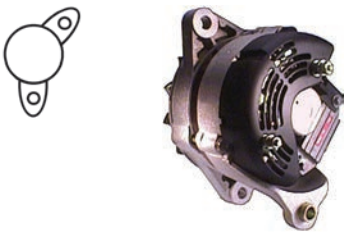
110968 Alternator 14 **V,** 70 **A**

Replacing: AH2040C4

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



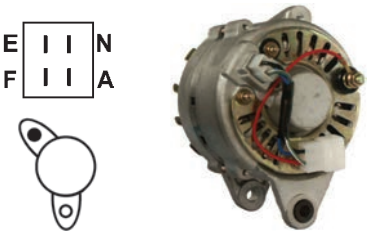
111035 Alternator 14 **V,** 65 **A**

Replacing: A2T32171

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



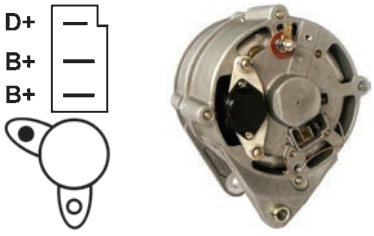
111042 Alternator 14 **V,** 35 **A**

Replacing: MD017645, AH2035M4, AH2035M, AH2025M4, A1T22074, A1T11574

Servicing: Iseki, Mitsubishi

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 42.50 **B:** 12.10 **C:** 66.90 mm



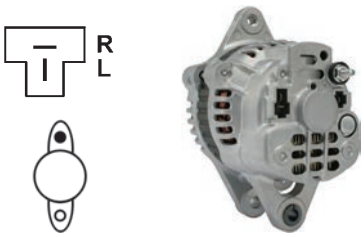
111289 Alternator 14 **V,** 70 **A**

Replacing: A5T31774, A5T31773, A5T31772, A5T31372

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



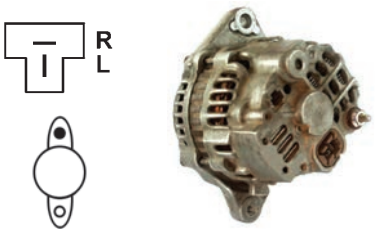
111832 Alternator 14 **V,** 40 **A**

Replacing: MM438844, MM435752, MM435081, MM432804, A0T25373, A0T25371, A0T25271, A0T25171

Servicing: Mitsubishi

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** IF

A: 42.00 **B:** 16.75 **C:** 41.00 mm



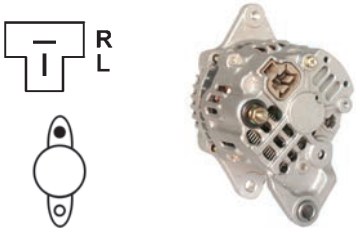
112492 Alternator 14 **V,** 50 **A**

Replacing: A7T02077C, A7T02077A, A7T02077, A7T02071C, A7T02071A, A7T02071

Servicing: Cub Cadet, Sole Diesel, Vetus

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.50 **B:** 21.10 mm



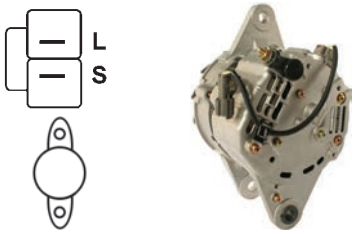
113562 Alternator 14 **V,** 40 **A**

Replacing: A7T03877

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 42.00 **B:** 12.90 **C:** 81.50 mm



113886 Alternator 28 **V,** 50 **A**

Replacing: A4TU5486, A4TU5485

Servicing: Hitachi

Position/B+ M6, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 60.00 **B:** 13.00 **C:** 70.00 mm

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114079 Alternator 14 **V,** 40 **A**

Replacing: A7TA0171B, A7TA0171, 30A68-00801, 30A68-00800

Servicing: Case, Cub Cadet, Mitsubishi, Vetus, Volvo

Position/B+ M5, **Pulley** P, **Grooves** 1,

A: 43.00 **B:** 16.00 **C:** 41.60 mm

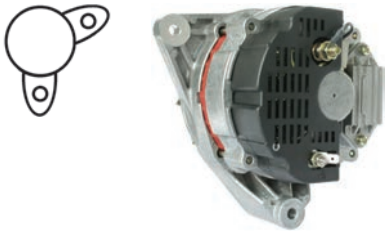
110043 Alternator 28 **V,** 45 **A**

Replacing: 9AR3868G, 9AL3776, 510-289

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



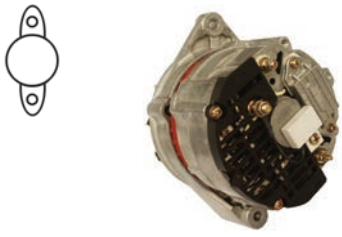
110077 Alternator 14 **V,** 50 **A**

Replacing: 510-249

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm



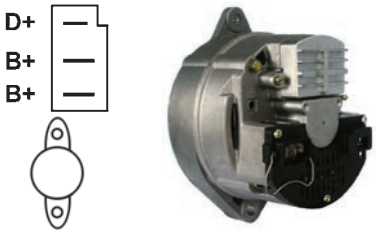
110105 Alternator 14 **V,** 55 **A**

Replacing: 9AR2968K, 9AR2968, 510-384

Servicing: John Deere

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 83.30 **B:** 56.00 mm



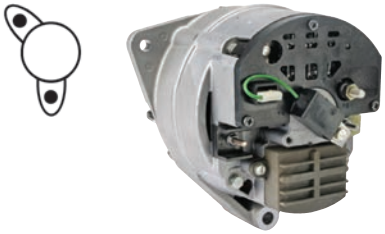
110107 Alternator 14 **V,** 55 **A**

Replacing: 9AR5083G, 9AR5010F, 9AR2888, 9AR2887, 9AR2725F, 510-501, 510-492, 510-456, 510-368, 510-320

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



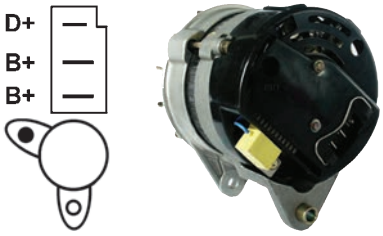
110117 Alternator 28 **V,** 40 **A**

Replacing: 9AR6012G, 9AR6012, 510-427

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



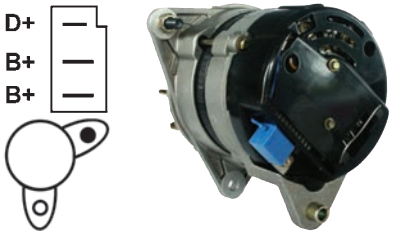
110178 Alternator 14 **V,** 36 **A**

Replacing: 9AR2916F, 9AR2916, 9AR2915F, 510-105, 510-104, 2541194

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



110179 Alternator 14 **V,** 36 **A**

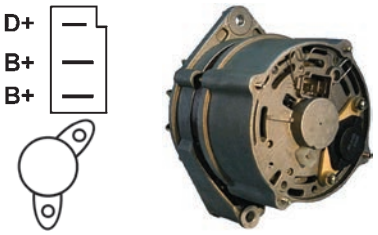
Replacing: 9AR5019, 9AR2877, 9AR2603G, 9AR2603F, 9AR2603

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



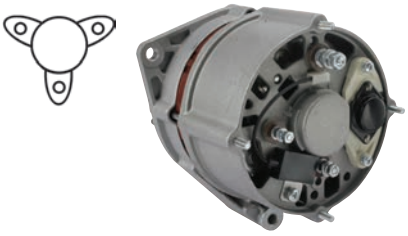
110360 Alternator 14 **V,** 45 **A**

Replacing: 9AR2896G, 9AR2883G, 9AR2883, 9AR2835G, 9AR2835, 9AR2756F, 9AR2528F

Servicing: Audi, Deutz-Fahr, VW

Position/B+ 9.40, **Pulley** w/o, **Fan** w/o

B: 56.00 mm



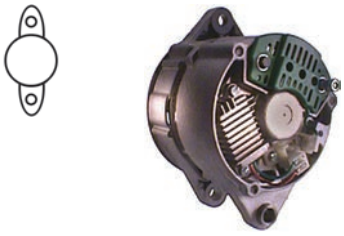
110766 Alternator 28 **V,** 27 **A**

Replacing: 9AR6015K

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



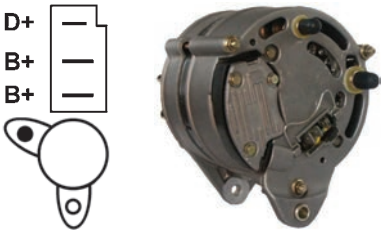
110890 Alternator 14 **V,** 55 **A**

Replacing: 9AL5050K

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



110968 Alternator 14 **V,** 70 **A**

Replacing: 9AR5060, 9AR2960F, 9AR2841, 9AR2705G, 9AR2705, 9AR2699G, 9AR2683G, 9AR2683, 9AR2654G, 9AR2650D

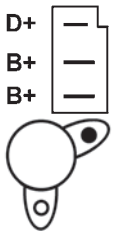
Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



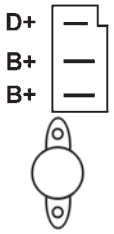
110969 Alternator 14 **V,** 65 **A**

Replacing: 9AR2913, 9AR2878, 9AR2803F, 9AR2706G, 9AR2706, 9AR2704F, 9AR2684P, 9AR2655G, 9AR2653F, 9AR2653

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



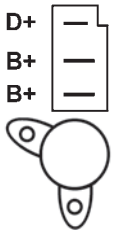
110970 Alternator 14 **V,** 65 **A**

Replacing: 9AR2549F, 9AR2549, 9AR2548K, 9AR2548, 9AR2547F, 9AR2547, 510-56, 510-39, 510-38

Servicing: Massey Ferguson

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 58.00 **B:** 27.10 mm



110975 Alternator 14 **V,** 65 **A**

Replacing: 9AR2529F, 9AR2529, 510-146, 510-123, 2541263

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm

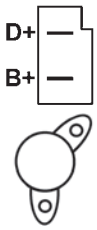
111141 Alternator 14 **V,** 55 **A**

Replacing: 2940793

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



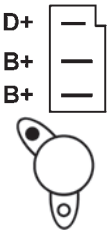
111180 Alternator 14 **V,** 33 **A**

Replacing: 9AR5006G

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



111185 Alternator 14 **V,** 43 **A**

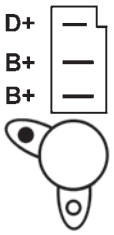
Replacing: 9AR2918G, 9AR2918

Servicing: Austin, Case, Ford, Land Rover, LDV, Lotus, Massey Ferguson, MG, Morris, Rover, Triumph, Vauxhall

Pulley w/o, **Fan** IF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.80 **C:** 81.00 mm



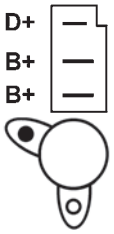
111289 Alternator 14 **V,** 70 **A**

Replacing: 9AR5092K, 9AR5022G, 9AR5022, 9AR2978, 9AR2843G, 9AR2707G, 9AR2703, 9AR2701, 9AR2700G, 9AR2700

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



111362 Alternator 14 **V,** 55 **A**

Replacing: 9AR2630K, 2940080

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111419 Alternator 28 **V,** 55 **A**

Replacing: 2541423

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

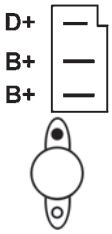
111686 Alternator 14 **V,** 65 **A**

Replacing: 9AR2951L, 9AR2951

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



111948 Alternator 14 **V,** 70 **A**

Replacing: 9AR5070K, 9AR5040K, 9AR2944K, 9AR2862K, 9AR2862, 9AR2861K, 9AR2856K, 9AR2856, 9AR2853K, 9AR2853

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 9AR3952G, 9AR3952, 9AL3955G

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112310 Alternator 14 **V,** 55 **A**

Replacing: 9AR2715F

Servicing: BMW, Volvo BM

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 74.00 **B:** 50.70 mm

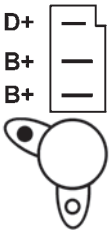
113477 Alternator 28 **V,** 55 **A**

Replacing: 2940060

Servicing: DAF, Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF, Insulated return

A: 72.50 **B:** 50.80 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 9AR2963L, 9AR2963, 9AR2919P, 9AR2919

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113898 Alternator 14 **V,** 185 **A**

Replacing: 8SC2023Z

Servicing: New Holland

Position/B+ M10, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.75 **C:** 101.70 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

110170 Alternator 14 **V,** 72 **A**

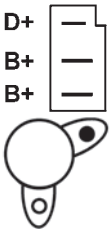
Replacing: 8MA2014PA, 8MA2014P, 8MA2010PA, 8MA2010P

Servicing: Ford

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 131175.

A: 74.75 **B:** 51.25 mm



110179 Alternator 14 **V,** 36 **A**

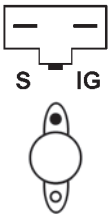
Replacing: 8HA2009KA

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



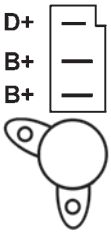
110445 Alternator 14 **V,** 90 **A**

Replacing: 8MR2035T, 110-244, 110-238

Servicing: John Deere

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 51.00 mm



110975 Alternator 14 **V,** 65 **A**

Replacing: 9FB2LD2A05

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm

111736 Alternator 14 **V,** 90 **A**

Replacing: 8MR2033T, 110-252

Servicing: Massey Ferguson, Volvo

Position/B+ 1/4" UNC, **Pulley** w/o, **Fan** EF

B: 51.00 mm

113898 Alternator 14 **V,** 185 **A**

Replacing: 8SC2282VG, 110-565

Servicing: New Holland

Position/B+ M10, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.75 **C:** 101.70 mm

112160 Alternator 28 **V,** 75 **A**

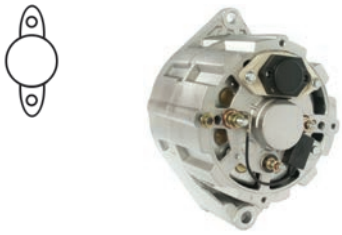
Replacing: 0-35000-0480, 0-35000-0471, 0-35000-0461, 0-35000-0460, 0-35000-0392, 0-35000-0391, 0-35000-0390

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

Replacing: 21SI. One wire system.

B: 14.25 **C:** 101.50 mm



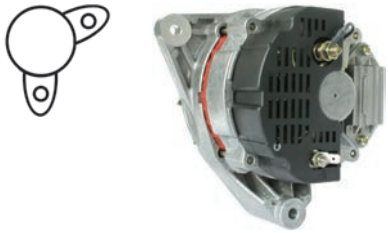
110043 Alternator 28 **V,** 45 **A**

Replacing: 860177

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



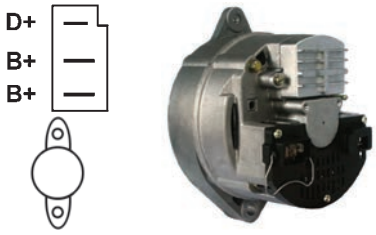
110077 Alternator 14 **V,** 50 **A**

Replacing: PBNA0584, 20130133

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm



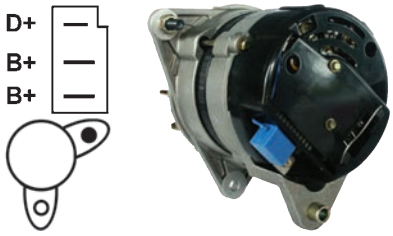
110107 Alternator 14 **V,** 55 **A**

Replacing: 66021479, 66021147

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



110179 Alternator 14 **V,** 36 **A**

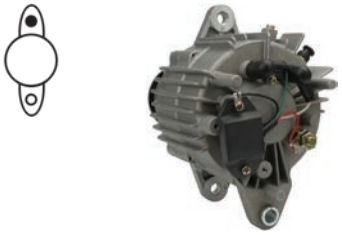
Replacing: PBNA0147, PBNA0113, PBNA0111, PBNA0105, PBNA0104, PBNA0101, 20130192

Servicing: Bedford, Case, Ford, Jaguar, Land Rover, LDV International, Lotus, Mercury, Triumph, Vauxhall

Position/B+ Plug, **Pulley** w/o, **Fan** EF

For pulley w/ 17.00 mm bore use bushing: Cargo 134894.

B: 9.75 **C:** 88.00 mm



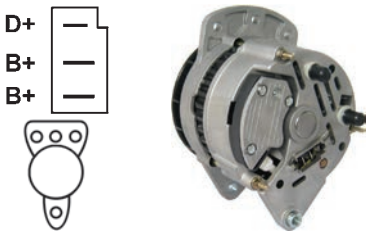
110427 Alternator 28 **V,** 22 **A**

Replacing: ANB7004, ANB7003, ANB7002, ANB7001, ANB6004, ANB6002, ANB6001, 51-212, 51-178

Servicing: Case, Caterpillar

Position/B+ M12, **Pulley** DP, **Grooves** 2, **Fan** w/o

A: 83.30 **B:** 15.50 **C:** 102.19 mm



110497 Alternator 14 **V,** 70 **A**

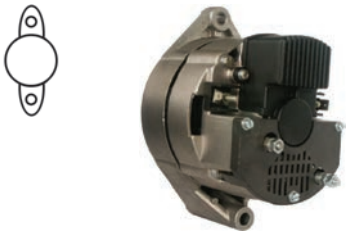
Replacing: 66021155, 66021126K, 66021126

Servicing: Austin-Healey, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 41.50 **B:** 10.50 **C:** 84.00 mm



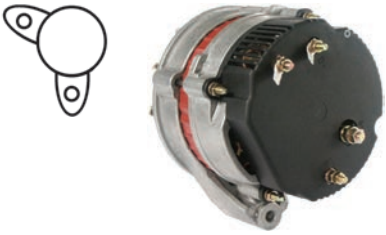
110643 Alternator 28 **V,** 40 **A**

Replacing: 66021616A, 66021490A, 66021490

Servicing: Butec, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 75.90 mm



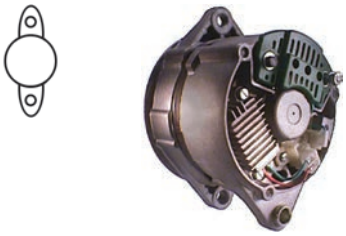
110881 Alternator 14 **V,** 55 **A**

Replacing: 20110134

Servicing: Deutz-Fahr, Fendt, Kramer, Marshall, Volvo

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 2, **Fan** EF

A: 88.00 **B:** 56.00 mm



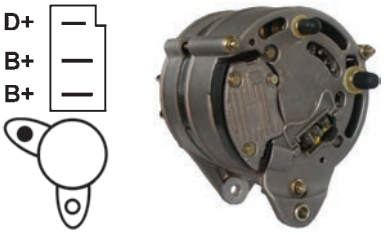
110912 Alternator 14 **V,** 55 **A**

Replacing: PBNA0597, PBNA0190, 20100190

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



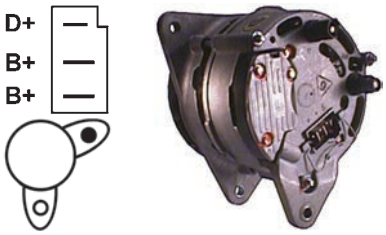
110968 Alternator 14 **V,** 70 **A**

Replacing: PBNA0392, PBNA0230, PBNA0228, PBNA0206, PBNA0185, PBNA0143, PBNA0131, PBNA0121, 66021636, 66021461

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



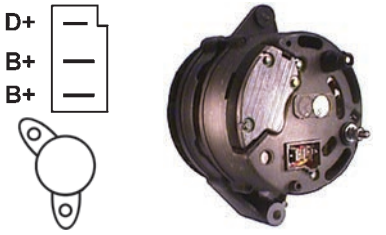
110969 Alternator 14 **V,** 65 **A**

Replacing: PBNA0586, PBNA0229, PBNA0130, 66021637, 66021438, 66021137, 66021115, 20100693

Servicing: Land Rover, Various Agriculture Vehicles

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 38.00 **B:** 11.00 **C:** 82.00 mm



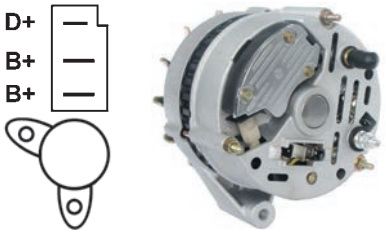
110972 Alternator 14 **V,** 65 **A**

Replacing: PBNA0110, 66021579, 66021459, 66021436, 66021416, 66021149

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



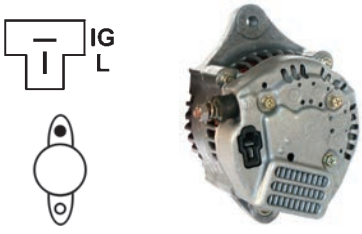
110975 Alternator 14 **V,** 65 **A**

Replacing: 66021152

Servicing: Audi, Various Agriculture Vehicles, VW

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 82.85 **B:** 56.25 mm



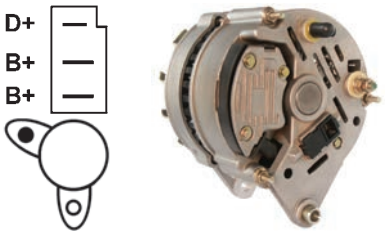
111048 Alternator 14 **V,** 40 **A**

Replacing: 20140110

Servicing: Daihatsu, Iseki, Kubota, Piaggio

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** IF

A: 43.00 **B:** 24.00 mm



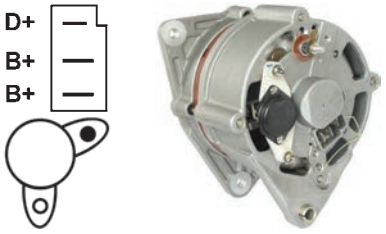
111355 Alternator 14 **V,** 65 **A**

Replacing: PBNA0582, 66021543

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



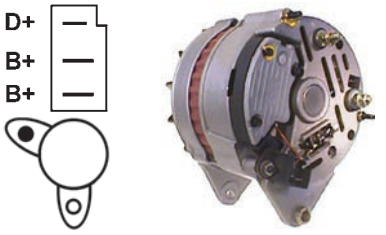
111356 Alternator 14 **V,** 55 **A**

Replacing: 66021445

Servicing: Ford, Various Agriculture Vehicles

Position/B+ 9.40, **Terminal** W, **Pulley** SP, **Grooves** 3, **Fan** EF

A: 43.00 **B:** 10.80 **C:** 81.00 mm



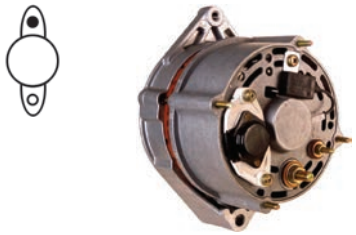
111739 Alternator 14 **V,** 55 **A**

Replacing: 66021605, 20100530, 20100522

Servicing: Ford, New Holland

Position/B+ M6, **Pulley** w/o, **Fan** EF
w/ battery sensor terminal.

B: 11.40 **C:** 82.30 mm



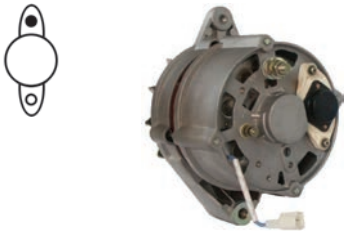
111843 Alternator 14 **V,** 95 **A**

Replacing: 20130136

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** w/o
B- M8.

A: 74.60 **B:** 51.00 mm



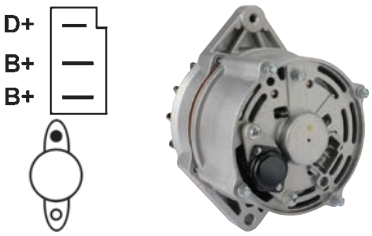
111888 Alternator 14 **V,** 65 **A**

Replacing: 20110305

Servicing: Case

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 8, **Fan** EF

A: 81.00 **B:** 50.60 mm



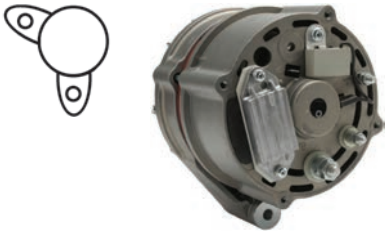
111948 Alternator 14 **V,** 70 **A**

Replacing: PBNA0220, 66021583, 20100220

Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm



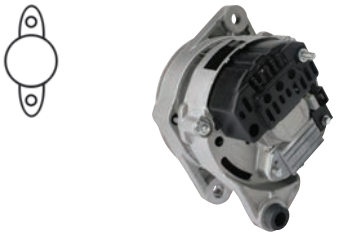
112046 Alternator 14 **V,** 95 **A**

Replacing: 20130137

Servicing: Deutz-Fahr, Iveco

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



112097 Alternator 28 **V,** 30 **A**

Replacing: 860141

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

112238 Alternator 14 **V,** 65 **A**

Replacing: PBNA0382, 66021412

Servicing: Austin, DAF, Land Rover, LDV, Rover

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.00 **B:** 11.50 **C:** 81.70 mm

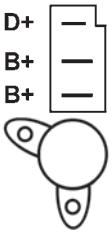
112718 Alternator 14 **V,** 100 **A**

Replacing: 20130116

Servicing: Ford, New Holland

Position/B+ M6, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 32.00 **B:** 14.00 **C:** 83.80 mm



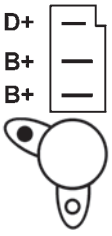
112722 Alternator 14 **V,** 70 **A**

Replacing: 66021836

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 10.50 **C:** 83.50 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: 66021411

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110043 Alternator 28 **V,** 45 **A**

Replacing: 19025075

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

110075 Alternator 14 **V,** 60 **A**

Replacing: 1102945, 1102944, 1102370, 1100951, 1100944, 1100943, 1100939, 1100933, 1100932, 1100931, 1100921

Servicing: American Motors, Buick, Cadillac, Chevrolet, Fiat-Allis, GMC, International, Jeep, Oldsmobile, Pontiac

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

As Cargo 110215 (90 A). Regulator: Cargo 130505.

A: 75.00 **B:** 51.00 mm

110300 Alternator 28 **V,** 65 **A**

Replacing: 321-654, 1105476, 1105475, 1105474, 1100274, 1100211, 1100093, 1100077, 10463160

Servicing: Case, International

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Replacing: 27SI. Shaft dia. 22.00 mm. Fan: Cargo 131854.

B: 11.90 **C:** 103.00 mm

110325 Alternator 14 **V,** 18 **A**

Replacing: 1105076, 1105063, 1103190, 1103134, 1102871, 1100499, 1100092

Servicing: Bobcat, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** w/o

Replacing: 10SI.

B: 50.90 mm

110504 Alternator 14 **V,** 90 **A**

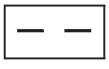
Replacing: 1105073, 1102875, 1100589

Servicing: Buick, Case, Chevrolet, Fiat-Allis, International, Jeep

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Same as Cargo 110505 (75 A).

B: 51.00 mm



110505 Alternator 14 **V,** 75 **A**

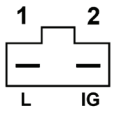
Replacing: 1105686, 1105645, 1105619, 1105584, 1105574, 1105573, 1105559, 1105558, 1105556, 1105522, 1105520

Servicing: American Motors, Buick, Cadillac, Chevrolet, GMC, International, Jeep, Oldsmobile, Pontiac

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

Replacing: CS130. As Cargo 110504 (90 A).

B: 50.50 mm



110508 Alternator 14 **V,** 78 **A**

Replacing: 321-1015, 1979859, 1979858, 1979857, 1105708, 1105707, 1105706, 1105705, 1105704, 1105703, 1105692

Servicing: American Motors, Buick, Cadillac, Case, Chevrolet, GMC, Jeep, Oldsmobile, Pontiac

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Replacing: 12SI.

A: 77.00 **B:** 50.50 mm

110591 Alternator 28 **V,** 75 **A**

Replacing: 321-697, 321-655, 19010024, 19010008, 19010002, 19010000, 1117648, 1117256, 1117249, 1117238

Servicing: Caterpillar, Various Agriculture Vehicles

Position/B+ 7/16" UNC, **Pulley** w/o, **Fan** EF

Replacing: 25SI.One wire system. B+ 7/16".

B: 14.10 **C:** 101.50 mm

110611 Alternator 14 **V,** 44 **A**

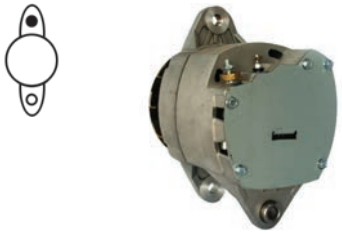
Replacing: 19025037

Servicing: Allis Chalmers, Fiat, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Regulator: Cargo 130613.

A: 46.00 **B:** 17.00 **C:** 61.00 mm



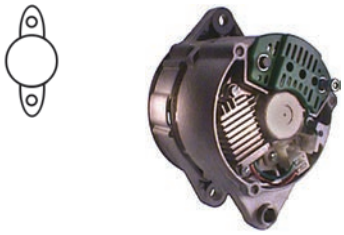
110801 Alternator 28 **V,** 45 **A**

Replacing: 321-665, 321-660, 1117655, 1117650, 1117647, 1117645, 1117644, 1117643, 1117642, 1117640, 1117623

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm



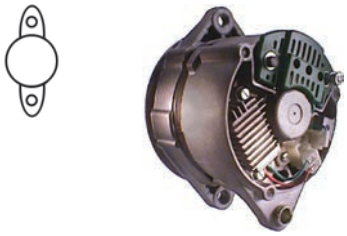
110890 Alternator 14 **V,** 55 **A**

Replacing: 19025046

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



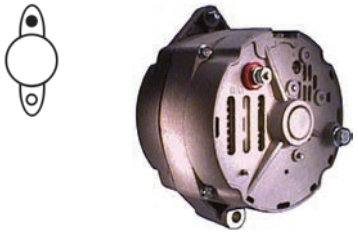
110912 Alternator 14 **V,** 55 **A**

Replacing: 19025067, 19025056, 19025049

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



110952 Alternator 28 **V,** 40 **A**

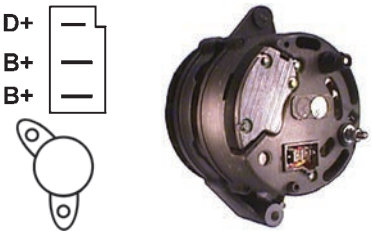
Replacing: 1105537, 1105510, 1103123, 1103031, 1102919, 1102918, 1101204

Servicing: Case, Fiat-Allis

Position/B+ M5, **Pulley** P, **Grooves** 1, **Fan** EF

Replacing: 10SI.

A: 75.55 **B:** 50.70 mm



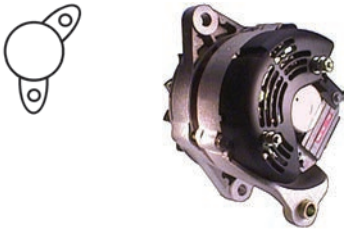
110972 Alternator 14 **V,** 65 **A**

Replacing: 3472068, 3472067, 3472052, 3472050, 3471214, 068, 067, 052, 050

Servicing: Opel, Various Agriculture Vehicles, Vauxhall

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 87.90 **B:** 56.00 mm



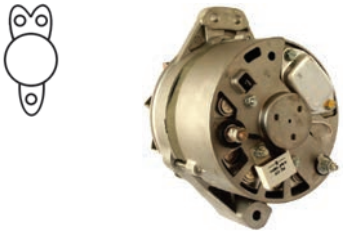
111035 Alternator 14 **V,** 65 **A**

Replacing: 19025789, 19025787, 19025051

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



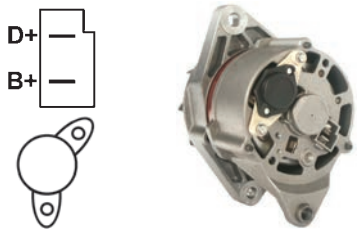
111168 Alternator 14 **V,** 55 **A**

Replacing: 719, 619, 3493719, 3493619, 3472208, 3472066, 3472051, 208, 066, 051

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



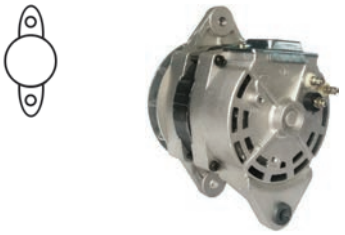
111180 Alternator 14 **V,** 33 **A**

Replacing: 19025063, 19025042

Servicing: Fiat, Fiat-Allis, Lamborghini, Same, Zastava

Position/B+ Plug, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.00 **B:** 25.00 **C:** 74.00 mm



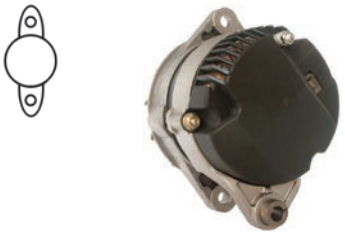
111647 Alternator 28 **V,** 60 **A**

Replacing: 390087, 2191166

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 15.00 **C:** 102.00 mm



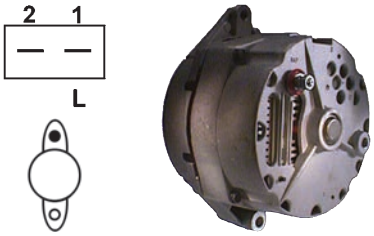
111686 Alternator 14 **V,** 65 **A**

Replacing: 19025060

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



111713 Alternator 14 **V,** 105 **A**

Replacing: 321-667, 1105609, 1105579, 1105560, 1105540, 1105539, 1105538, 1105536, 1105535, 1105418, 1102551

Servicing: Allis Chalmers, Case, Ford, John Deere, New Holland

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

Replacing: 15SI.

A: 71.00 **B:** 50.70 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

111833 Alternator 28 **V,** 140 **A**

Replacing: 19025330

Servicing: Drögmöller, Mercedes-Benz, Setra, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** EF

B- M8. Shaft 30 mm. Heavy duty type: Cargo 113589. 180 A.

B: 15.70 **C:** 180.00 mm

112097 Alternator 28 **V,** 30 **A**

Replacing: 19025057, 19025044

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm

112160 Alternator 28 **V,** 75 **A**

Replacing: 19020391, 19020383, 19020382, 19020376, 19020346, 19020307, 19011192, 19010199, 19010195, 19010193

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

Replacing: 21SI. One wire system.

B: 14.25 **C:** 101.50 mm

112260 Alternator 14 **V,** 80 **A**

Replacing: 321-603, 1105470, 1105469, 1105467, 1105465, 1105464, 1105463, 1105462, 1105460, 1102553, 1101289

Servicing: Allis Chalmers, Case, Chevrolet, Cummins, International, Volvo

Position/B+ M5, **Pulley** w/o, **Fan** w/o

Replacing: 27SI. Negative grounding.

B: 12.60 **C:** 103.45 mm

112989 Alternator 14 **V,** 60 **A**

Replacing: 321-666, 1117641, 1117628, 1117621, 1117620, 1117618, 1117613, 1117612, 1117611, 10459200, 10459020

Servicing: Caterpillar, Chevrolet, Cummins, International, Mack, Massey Ferguson

Position/B+ M8, **Terminal** W, **Pulley** w/o, **Fan** IF

Replacing: 20SI. Negative grounding. One wire system. B+ 1/4".

B: 14.85 **C:** 101.65 mm

112992 Alternator 28 **V,** 70 **A**

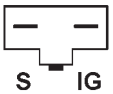
Replacing: 1117915

Servicing: Fiat-Allis

Position/B+ M8, **Pulley** w/o, **Fan** EF

Replacing: 20SI. Negative grounding. One wire system. B+ 5/16".

B: 15.75 **C:** 101.55 mm



112996 Alternator 14 **V,** 115/130 **A**

Replacing: 321-687, 19010207, 19010196, 19010191, 19010188, 19010187, 19010170, 19010150, 19010147, 19010145

Servicing: Caterpillar, Ford, Freightliner, John Deere, Kenworth, Mack, New Holland, Volvo

Position/B+ M8, **Pulley** w/o, **Fan** EF

Replacing: 21SI. Negative grounding. One wire system. B+ 1/4".

B: 14.55 **C:** 100.50 mm

113432 Alternator 14 **V,** 145/160 **A**

Replacing: 321-688, 19010156, 1117952, 1117948, 1117933, 1117924, 1117916, 10459051, 10459050

Servicing: International, Kenworth, Mack, Renault Agriculture, Volvo

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

Replacing: 21SI. Negative grounding. One wire system. B+ 1/4".

B: 14.30 **C:** 101.20 mm

113457 Alternator 28 **V,** 60 **A**

Replacing: 390049, 219055

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 65.75 **B:** 15.00 **C:** 101.00 mm

113458 Alternator 28 **V,** 60 **A**

Replacing: 390050, 219051

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 45.25 **B:** 15.00 **C:** 101.00 mm

114271 Alternator 28 **V,** 75 **A**

Replacing: 8600479, 19011195, 19011191, 19011189, 10459353

Servicing: Caterpillar

Position/B+ M6, **Terminal** W, **Pulley** w/o, Insulated return

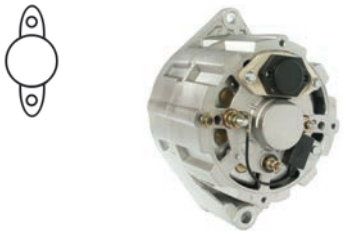
Replacing: 34SI.

B: 14.20 **C:** 100.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

110639 Alternator 14 **V,** 36 **A**
Replacing: DM91134, DM1132, DM1130
Servicing: Allis Chalmers, Fiat-Allis
Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF
Regulator: Cargo 130017.
A: 91.00 **B:** 60.75 mm



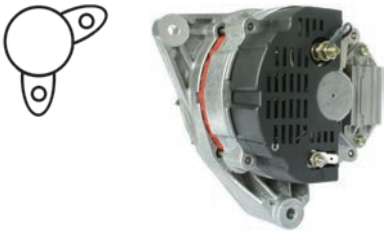
110043 Alternator 28 **V,** 45 **A**

Replacing: A13R214

Servicing: Hanomag, Pegaso, Renault V.I., Scania

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm



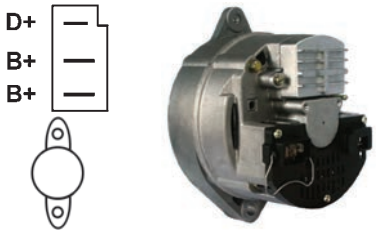
110077 Alternator 14 **V,** 50 **A**

Replacing: 2927990

Servicing: Case, Citroen, Deutz-Fahr, Fendt, Goldoni, Opel, Peugeot, Vauxhall

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 78.50 **B:** 56.00 mm



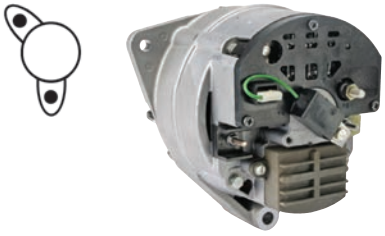
110107 Alternator 14 **V,** 55 **A**

Replacing: 9AR2725

Servicing: Massey Ferguson

Position/B+ 6.30, **Pulley** w/o, **Fan** w/o

B: 27.00 mm



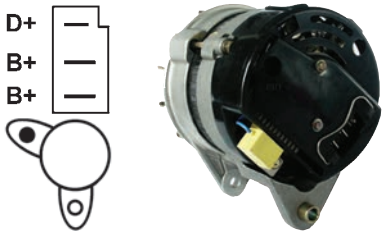
110117 Alternator 28 **V,** 40 **A**

Replacing: 2960120

Servicing: Iveco, Magirus-Deutz, Steyr, Various Agriculture Vehicles

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 56.00 mm



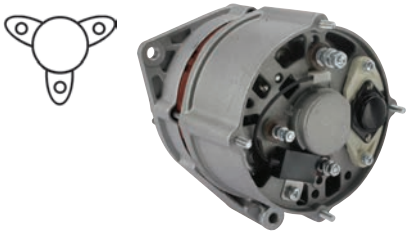
110178 Alternator 14 **V,** 36 **A**

Replacing: 29409930, 2523234

Servicing: Austin, Bedford, Case, Ford, Jensen, Land Rover, Lotus, Massey Ferguson, MG, Morris, New Holland, Plymouth, Talbot

Position/B+ 9.40, **Pulley** w/o, **Fan** EF

B: 10.00 **C:** 87.00 mm



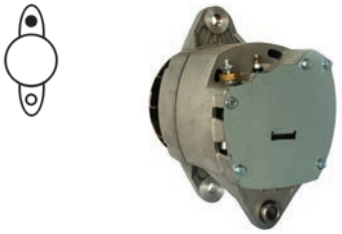
110766 Alternator 28 **V,** 27 **A**

Replacing: 2960150, 2523162

Servicing: Atlas Copco, Case, Deutz-Fahr, Iveco, KHD, Liebherr, Magirus-Deutz, Mercedes-Benz, Steyr

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 56.00 mm



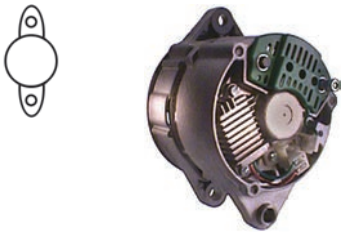
110801 Alternator 28 **V,** 45 **A**

Replacing: A13R182

Servicing: Atlas Copco, Case, Caterpillar, Cummins, Fiat-Allis, International

Position/B+ 1/4" UNF, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 14.80 **C:** 100.00 mm



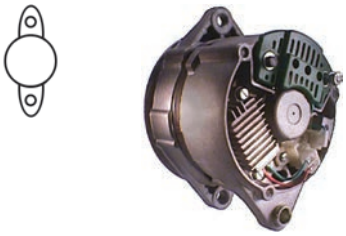
110890 Alternator 14 **V,** 55 **A**

Replacing: 2950500

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Same

Position/B+ M6, **Pulley** w/o, **Fan** w/o

B: 17.00 **C:** 63.00 mm



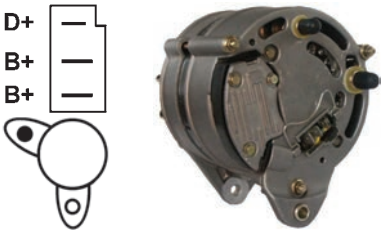
110912 Alternator 14 **V,** 55 **A**

Replacing: A13E23, 2541234, 2541233

Servicing: Ferrari, Fiat, Fiat-Allis, Lancia, Seat

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 44.50 **B:** 16.40 **C:** 66.00 mm



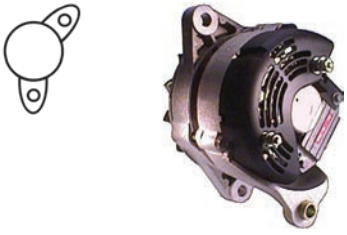
110968 Alternator 14 **V,** 70 **A**

Replacing: 9AR2699

Servicing: Austin, Case, Dronningborg, MG, Nissan, Rover, Valtra

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 39.50 **B:** 11.00 **C:** 82.00 mm



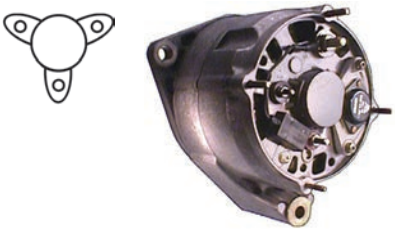
111035 Alternator 14 **V,** 65 **A**

Replacing: A13E26, A13E25, 2541236, 2541235

Servicing: Audi, Autobianchi, Case, Fiat, Innocenti, Lancia, VW, Zastava

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 51.25 **B:** 22.00 **C:** 73.00 mm



111141 Alternator 14 **V,** 55 **A**

Replacing: 523159, 523158, 2325158

Servicing: MAN, Mercedes-Benz

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o

B: 80.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

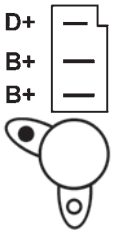
111168 Alternator 14 **V,** 55 **A**

Replacing: A13N214, 2541341

Servicing: Ferrari, Opel, Vauxhall

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 84.00 **B:** 56.00 mm



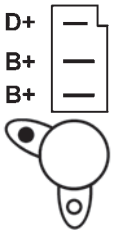
111289 Alternator 14 **V,** 70 **A**

Replacing: 2950220, 2940981, 2929780, 2927070

Servicing: Austin, Case, Dronningborg, Ford, Land Rover, Massey Ferguson, MG, Morris, Rover

Position/B+ 9.40, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 35.00 **B:** 12.50 **C:** 80.00 mm



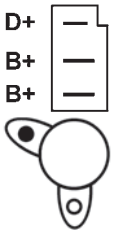
111355 Alternator 14 **V,** 65 **A**

Replacing: 2541400, 2541290

Servicing: Austin, Dronningborg, Massey Ferguson, MG, New Holland, Nissan, Rover, Universal, Valtra

Position/B+ M6-6.30, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 37.00 **B:** 11.50 **C:** 81.00 mm



111362 Alternator 14 **V,** 55 **A**

Replacing: 2926300

Servicing: Austin, Ford, Land Rover, MG, Rover, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 34.50 **B:** 11.00 **C:** 81.00 mm

111369 Alternator 14 **V,** 90 **A**

Replacing: A13VI220, A13VI198, A13VI176, A13VI170, A13VI169, A13VI135, A13VI100, 2541992, 2541960, 2541920

Servicing: Mercedes-Benz, Various Agriculture Vehicles

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.00 mm

111419 Alternator 28 **V,** 55 **A**

Replacing: 2541423

Servicing: Allis Chalmers, Benfra, Fiat-Allis, Iveco, Laverda

Position/B+ M8, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 50.00 **B:** 17.45 **C:** 63.00 mm

111528 Alternator 28 **V,** 55 **A**

Replacing: 2180620, 2105473B

Servicing: Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 51.50 mm

111647 Alternator 28 **V,** 60 **A**

Replacing: 21EA00050

Servicing: Cummins, John Deere, Komatsu, New Holland, Timberjack

Position/B+ M6, **Pulley** w/o, **Fan** EF

B: 15.00 **C:** 102.00 mm

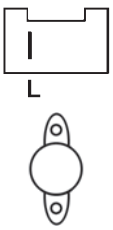
111686 Alternator 14 **V,** 65 **A**

Replacing: 2929510, 2565995, 2565994

Servicing: Alfa Romeo, Fiat, Iveco, Lamborghini, Lancia, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

A: 49.50 **B:** 17.00 **C:** 64.50 mm



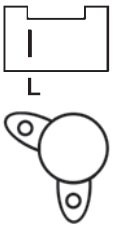
111716 Alternator 14 **V,** 70 **A**

Replacing: A13N275, 2541713

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2, **Fan** EF

A: 52.00 **B:** 27.00 mm



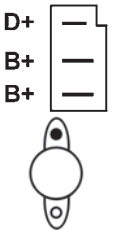
111940 Alternator 14 **V,** 70 **A**

Replacing: A13N276, A13N274, 2541714, 2541712

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** IF

B: 27.00 **C:** 71.30 mm



111948 Alternator 14 **V,** 70 **A**

Replacing: 9AR2786, 9AR2566, 2950700, 2940772, 2928610, 2541148, 2541131, 2541130, 2518051

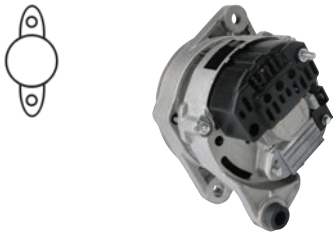
Servicing: Massey Ferguson

Position/B+ Plug, **Terminal** W, **Pulley** w/o, **Fan** EF

B: 29.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.



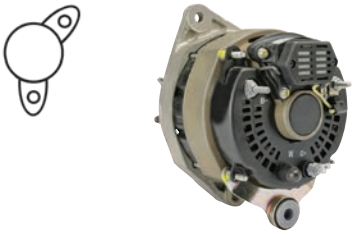
112097 Alternator 28 **V,** 30 **A**

Replacing: 2939520

Servicing: Allis Chalmers, Astra, Fahr, Iveco, Laverda

Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** w/o

A: 45.00 **B:** 17.00 **C:** 63.00 mm



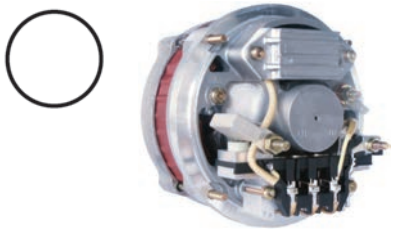
112113# Alternator 28 **V,** 60 **A**

Replacing: A14N30M, A14N198M, A14N196M, A14N177M, A14N116M, A14N115M, A14N114T, A14N114, A14N110M, A14N110

Servicing: Renault V.I., Volvo, Volvo BM

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** EF, Insulated return

B: 27.00 **C:** 66.75 mm

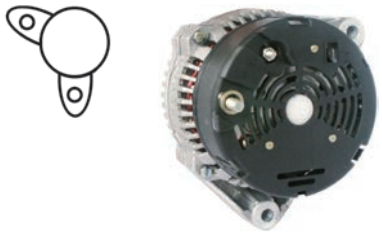


112183 Alternator 14 **V,** 60 **A**

Replacing: A13N255, A13N165, 2541659, 2541133

Servicing: KHD, Various Agriculture Vehicles

Position/B+ M6, **Terminal** W, **Pulley** w/o, **Fan** w/o



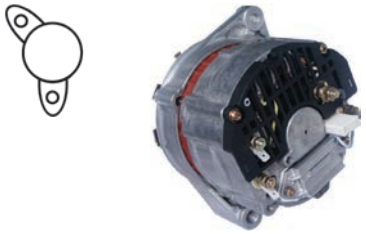
112529 Alternator 14 **V,** 90 **A**

Replacing: A13VI99, A13VI197, A13VI175, A13VI134, 2541959, 2541919, 2541838A, 2541838, 2541775B, 2541775A

Servicing: Daewoo, John Deere, Mercedes-Benz, Ssangyong

Position/B+ M8, **Terminal** W, **Pulley** SP, **Grooves** 6, **Fan** IF

A: 92.00 **B:** 56.10 mm



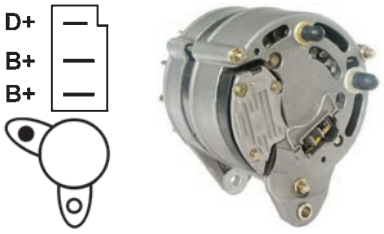
113477 Alternator 28 **V,** 55 **A**

Replacing: A14N81M, A14N47M, A14N137M, A14N119M, A14N112M, A14N100M, A14N100, 2541168, 2181991

Servicing: DAF, Volvo, Volvo BM, Volvo Penta

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF, Insulated return

A: 72.50 **B:** 50.80 mm



113574 Alternator 14 **V,** 65 **A**

Replacing: NA066

Servicing: Case, New Holland, Valtra

Position/B+ Plug, **Terminal** W, **Pulley** P, **Grooves** 1, **Fan** EF

A: 36.85 **B:** 10.40 **C:** 83.00 mm

113961 Alternator 14 **V,** 120 **A**

Replacing: A13VI243

Servicing: Massey Ferguson

Position/B+ M6, **Terminal** W, **Pulley** DP, **Grooves** 2,

A: 29.00 **B:** 14.30 **C:** 83.00 mm

114219 Alternator 14 **V,** 50 **A**

Replacing: TA000A58101

Servicing: Daedong Kioti

Position/B+ M6, **Terminal** W, **Pulley** P, **Grooves** 1,

A: 43.00 **B:** 15.00 **C:** 66.00 mm

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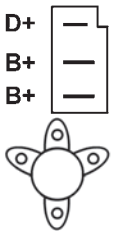


111204 Alternator 14 **V,** 70 **A**

Replacing: NAB905, 24166, 24017, 24016, 24014, 23999, 23991, 23986A, 23986

Servicing: Case, Jaguar

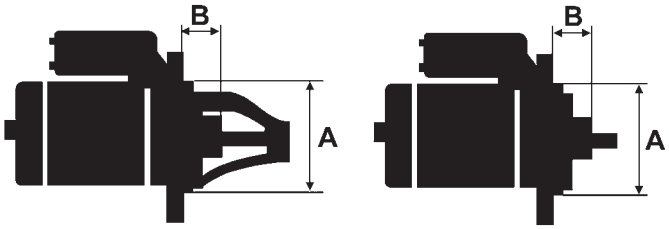
Position/B+ M6, **Pulley** P, **Grooves** 1, **Fan** EF

w/ mounting bearing bracket for left and right engine side.

A: 54.15 **B:** 27.00 mm.

Starters

A: Mounting flange, B: Drive distance



Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416079, 0001416078, 0001416023, 0001416002, 0001415027, 0001415001, 0001410088, 0001410002

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416070, 0001416007, 0001416005, 0001415013, 0001414019, 0001410046, 0001402057

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS162, 9000084018, 0001416076, 0001416021, 0001416009, 0001416008, 0001415016, 0001415004

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 0001417051, 0001417038, 0001417001, 0001411009, 0001410024

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 0001417005, 0001411025, 0001410065

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

11

110347 Starter 24 **V,** 7.5 **kW**

Replacing: 0001420011, 0001420010, 0001420008, 0001420006, 0001420002

Servicing: Caterpillar, Clark, Fiat-Allis, Iveco

B+ M12, **15a** M4, **Total length** 522.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 50MT.

A: 92.00 **B:** 47.00 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: 9000143400, 0001362008

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: 0001362093

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110460 Starter 12 **V,** 2.8 **kW**

Replacing: 0001367022, 0001359126

Servicing: Atlas Copco, Dronningborg, JCB, Massey Ferguson

B+ M8, **Total length** 307.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 0001362307, 0001358202, 0001358201, 0001358200

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

All measurements are in mm, unless else states

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10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 9007044014, 0001362067

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 0001363111, 0001363101

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368020, 0001360063

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368021, 0001360027, 0001360007, 0001359127

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368019, 0001360043, 0001360015

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: 0986012720, 0001367029, 0001359122, 0001230009

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: 0001368088, 0001368007, 0001368001, 0001360035, 0001360030, 0001360014, 0001360012, 0001360003

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 9007044002, 9000083054, 9000083028, 0001367303, 0001367301, 0001367300, 0001367059, 0001367034

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367082, 0001367028, 0001367023, 0001359102, 0001359021

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: EJD3/12BR3, 0004314011, 0001367013, 0001362035, 0001362022, 0001362009, 0001359108, 0001359004

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

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9

110531 Starter 24 **V,** 6.6 **kW**

Replacing: 0001417036, 0001417017, 0001410041, 0001410016, 0001410015

Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz

B+ M12, **B-** M10, **Total length** 405.00, **Gear type** DD, **Mounting holes** 0 (0)

A: 56.00 **B:** 43.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416035, 0001416030, 0001410109, 0001410099, 0001410063, 0001410053

Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles

B+ M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: 26025155A, 0001367004, 0001362313, 0001362311, 0001362305, 0001362091, 0001362034, 0001362016

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

9

110537 Starter 12 **V,** 3.6 **kW**

Replacing: BNG4/12CR247, BNG4/12CR215, 0001418012, 0001418001, 0001413006, 0001413002, 0001413001, 0001401066

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110539 Starter 12 **V,** 3.6 **kW**

Replacing: 0001418014, 0001413017

Servicing: Claas, Mercedes-Benz, New Holland

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367067, 0001367032, 0001359124, 0001359047

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110550# Starter 24 **V,** 4.0 **kW**

Replacing: 0001402040

Servicing: Ikarus, Kaelble-Gmeinder, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Ssangyong, Steyr, Various Agriculture Vehicles

B+ M10, **Total length** 378.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367009, 0001359099, 0001359053, 0001359048, 0001359001

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110552 Starter 12 **V,** 1.2 **kW**

Replacing: 0001107078

Servicing: Ford, JCB, John Deere, Volvo Penta

B+ M8, **Total length** 194.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 9004475058, 0001367040

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

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10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 9004475035

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367014, 0001359091

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

110775 Starter 12 **V,** 1.8 **kW**

Replacing: 0001362038, 0001362028, 0001362027, 0001362004, 0001362003

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 288.00,
Clutch type Wet, **Gear type** DD,
Mounting holes 2 (0)

A: 83.00 **B:** 21.00 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: 0001362105, 0001362039, 0001362032, 0001223504, 0001223503

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: 0001362062

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 0001362084, 0001362060

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: 0001362049

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9

110844 Starter 12 **V,** 2.2 **kW**

Replacing: 0001218122, 0001218011

Servicing: Bedford, Ferrari, Goldoni, Lombardini, Opel, Valpadana, Vauxhall, VW

B+ M8, **Total length** 278.45,
Gear type GR, **Mounting holes** 2 (0)

A: 82.00 **B:** 17.20 mm

9

110868 Starter 12 **V,** 1.1 **kW**

Replacing: 0001311120, 0001311109, 0001311101, 0001311049, 0001311046, 0001311037, 0001311034, 0001311033

Servicing: Ford, Lamborghini, Mercury, Saab, Triumph

B+ M8, **15a** M5, **Total length** 255.25,
Gear type DD, **Mounting holes** 2 (0)

A: 76.00 **B:** 4.50 mm

12

110999 Starter 24 **V**

Replacing: 0001420013, 0001420009, 0001420005, 0001420004, 0001420003, 0001420001

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50,
Gear type DD, **Mounting holes** 3 (0),
Insulated return, Oil sealed
Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

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11

111000 Starter 24 **V**

Replacing: 0001371020, 0001371018

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367005, 0001362036, 0001362023, 0001359113, 0001359083, 0001359056, 0001359038, 0001358005

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: 0001108129, 0001107085, 0001107062, 0001107033

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

9

111103 Starter 12 **V,** 0.8 **kW**

Replacing: 9004475300

Servicing: Hillman, MG, Morris, Triumph, Various Agriculture Vehicles, Vauxhall

B+ M8, **Total length** 321.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 88.80 **B:** 60.35 mm

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: BNG4/12CR222, 0001418004, 0001418003, 0001413010, 0001413007, 0001401068, 0001401052, 0001401028

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS165BR, BNG4/24CR165BR, 0001416027, 0001416017, 0001414018, 0001402058, 0001402056

B+ M10, **Total length** 381.80, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: 0001108181

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: 0001362341, 0001362314, 0001362306, 0001362043, 0001362025, 0001359072

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: 9004475061

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111573 Starter 12 **V,** 2.8 **kW**

Replacing: 0001359116

Servicing: Avia, JCB, TCM, Various Agriculture Vehicles

B+ M8, **Total length** 311.00, **Gear type** DD/GR, **Mounting holes** 3 (0)

A: 101.00 **B:** 25.50 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: 0001369016, 0001367001, 0001362300, 0001362063, 0001359074, 0001359014, 0001354080, 0001354073

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: 0001369022, 0001369005, 0001369001, 0001367078, 0001367075, 0001367037, 0001362316, 0001362312

Servicing: John Deere

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

11

111791 Starter 12 **V,** 2.4 **kW**

Replacing: EJD3/12BR4, 0001362052, 0001359107, 0001358050, 0001358021

Servicing: Claas

B+ M10, **Total length** 315.60,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: 0001223002, 0001218772, 0001218172, 0001109370

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

9

111885 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369025, 0001369019, 0001369007, 0001367072, 0001367019

Servicing: Case

B+ M10, **Total length** 332.50,
Gear type DD, **Mounting holes** 3 (0)
Oil and waterproof.

A: 89.00 **B:** 48.00 mm

9

111911 Starter 12 **V,** 1.4 **kW**

Replacing: 0001108442, 0001108401, 0001108231, 0001108230, 0001108190, 0001108157, 0001108108, 0001107443

Servicing: Bertolini, BMW, Ford, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 231.50,
Gear type GR, **Mounting holes** 3 (2)

A: 76.00 **B:** 20.50 mm

9,10

112034 Starter 12 **V,** 1.7 **kW**

Replacing: 0001214002, 0001115042, 0001110033, 0001109029

Servicing: ACME, Arona, BCS, Ferrari, Goldoni, Hatz, Lombardini, Mosa, Ruggerini, VW

B+ M8, **Total length** 233.30,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 27.00 mm

9

112039 Starter 12 **V,** 2.7 **kW**

Replacing: 0001366004, 0001362076, 0001362040, 0001362018, 0001362017, 0001358038, 0001354091, 0001354012

Servicing: Fendt, Jenbacher Werke, KHD, Lombardini

B+ M8, **Total length** 295.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 24.00 mm

11

112041 Starter 12 **V,** 2.2 **kW**

Replacing: 0001362700

Servicing: KHD, Various Agriculture Vehicles

B+ M10, **Total length** 293.00,
Gear type DD, **Mounting holes** 3 (0)

A: 82.50 **B:** 21.00 mm

9

112071 Starter 12 **V,** 3.0 **kW**

Replacing: 0001262002, 0001230014, 0001230006

Servicing: Deutz-Fahr

B+ M10, **Total length** 315.80,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.80 mm

10

112074 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369023, 0001369020, 0001369015, 0001367006

Servicing: Ford, New Holland

B+ M8, **Gear type** DD,
Mounting holes 3 (0)

A: 92.00 **B:** 21.00 mm

9

112132 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368030, 0001360036, 0001360023

Servicing: Volvo BM

B+ M10, **Total length** 339.00,
Gear type DD, **Mounting holes** 3 (0),
Oil sealed

A: 88.70 **B:** 47.00 mm

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All measurements are in mm, unless else states

11

112135 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369018, 0001362301, 0001362064, 0001359075, 0001359019, 0001354074

Servicing: Case

B+ M10, **Total length** 315.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 22.00 mm

9

112171 Starter 12 **V,** 1.1 **kW**

Replacing: 0001107024

Servicing: BCS, Bertolini, Ferrari, Goldoni, Lombardini, Piaggio, Valpadana

B+ M8, **Total length** 220.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 28.00 mm

9

112172 Starter 12 **V,** 1.6 **kW**

Replacing: 0001314001, 0001115035, 0001110042, 0001110041, 0001110028, 0001109009

Servicing: Arona, BMW, Ferrari, Lombardini, Mosa

B+ M8, **30h** M5, **Total length** 267.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 28.00 mm

9

112249 Starter 12 **V,** 2.7 **kW**

Replacing: 0001366025, 0001354095, 0001354031

Servicing: Mercedes-Benz, Various Agriculture Vehicles

B+ M10, **Total length** 295.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 21.50 mm

10,11

112442 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367077, 0001230002

Servicing: John Deere

B+ M10, **Total length** 315.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

112555 Starter 12 **V,** 3.1 **kW**

Replacing: 0001369024, 0001369014, 0001230014

Servicing: Bosch, Deutz-Fahr, Fendt, Irmer, Jenbacher Werke, KHD, Kramer, Linde

B+ M10, **Total length** 303.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.50 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 0001367042, 0001362310, 0001359069, 0001359045

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

10

113007 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368059

Servicing: John Deere

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 33.00 mm

9

113182 Starter 12 **V,** 3.0 **kW**

Replacing: 0001230023, 0001230010, 0001230007

Servicing: New Holland

B+ M10, **Total length** 320.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

113184 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368069

Servicing: Case

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.70 **B:** 48.00 mm

9

113268 Starter 12 **V,** 1.6 **kW**

Replacing: 0001314016, 0001307035, 0001109012

Servicing: Arona, Claas, Ferrari, Goldoni, Lombardini, Valpadana

B+ M8, **Total length** 255.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.40 **B:** 22.00 mm

10

113269 Starter 12 **V,** 3.0 **kW**

Replacing: 0001359094

Servicing: Atlas Copco, Barber Greene, Benford, Case, Daewoo, Matbro, Perkins, Thwaites

B+ M10, **Total length** 234.50, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.80 **B:** 31.50 mm

10

113353 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368311

Servicing: Fendt

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 27.50 mm

9

113467 Starter 12 **V,** 3.7 **kW**

Replacing: 0001365004

Servicing: Atlas Copco, Deutz-Fahr, Iveco

B+ M10, **Total length** 346.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 28.00 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: 0001230005, 0001230003, 0001223502

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

9

113482 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367046, 0001367045, 0001359089, 0001359087, 0001359044, 0001359013

Servicing: Volvo BM

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.00 mm

11

113484 Starter 24 **V,** 4.0 **kW**

Replacing: 0001368039, 0001368037

Servicing: Sisu, Valtra

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

113534 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367069

Servicing: Fiat-Allis, Perkins

B+ M8, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 27.00 mm

11

113570 Starter 12 **V,** 4.2 **kW**

Replacing: 0001260025

Servicing: Valtra

B+ M10, **Total length** 321.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.85 **B:** 48.50 mm

12

113695 Starter 24 **V,** 6.0 **kW**

Replacing: 0001371001

Servicing: Caterpillar

B+ M12, **Total length** 433.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 47.00 mm

9

NEW PRODUCT
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113726 Starter 12 **V,** 3.0 **kW**

Replacing: 0001367061

Servicing: Case

Total length 341.00

A: 89.00 **B:** 51.00 mm

9

113850 Starter 24 **V,** 5.4 **kW**

Replacing: 0001416059

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

A: 89.00 **B:** 48.00 mm

9

113900 Starter 12 **V,** 2.5 **kW**

Replacing: F000AL0115, 6004AA3014, 0001109331, 0001109330

Servicing: John Deere

B+ M8, **Total length** 239.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

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All measurements are in mm, unless else states

10

113968 Starter 12 **V,** 3.6 **kW**
Replacing: 0001369200
Servicing: New Holland
B+ M8, **Total length** 330.00,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 20.00 mm

10

114002 Starter 12 **V,** 4.2 **kW**
Replacing: 0001262022, 0001230021
Servicing: Case
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.00 mm

10

114021 Starter 12 **V,** 3.0 **kW**
Replacing: 0001230020
Servicing: New Holland
B+ M10, **Total length** 314.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 29.00 mm

10

114050 Starter 12 **V,** 4.2 **kW**
Replacing: 0001230022
Servicing: New Holland
B+ M10, **30h** M10, **Total length** 317.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.50 mm

9

114055 Starter 12 **V,** 2.3 **kW**
Replacing: 0001218776, 0001218176, 0001109357
Servicing: Jacobsen, John Deere
B+ M8, **Total length** 273.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 21.00 mm

11

NEW PRODUCT
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114170 Starter 24 **V,** 4.0 **kW**
Replacing: 0001368004
Servicing: Volvo
B+ M10, **Total length** 340.00,
Mounting holes 2 (0)
A: 89.00 **B:** 48.20 mm

10

114195 Starter 12 **V,** 3.0 **kW**
Replacing: 0001230018, 0001230008
Servicing: John Deere
B+ M10, **Total length** 312.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 51.00 mm

10

114196 Starter 24 **V,** 4.0 **kW**
Replacing: 0001263020, 0001231027, 0001231026
Servicing: Case, New Holland
B+ M10, **Total length** 317.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.60 mm

9

114220 Starter 24 **V,** 4.0 **kW**
Replacing: 0001231018, 0001101110
Servicing: Deutz-Fahr
B+ M10, **Total length** 315.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 25.00 mm

9

114320 Starter 12 **V,** 3.0 **kW**
Replacing: 0001230013
Servicing: JCB, KHD
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 23.00 mm

11

114437 Starter 24 **V,** 5.4 **kW**
Replacing: 0001416031
Servicing: Atlas Copco, Bosch, Ford, KHD, Poclain
B+ M10, **B-** M10, **Total length** 324.00,
Mounting holes 3 (0), Insulated return
A: 89.00 **B:** 47.50 mm

10

NEW PRODUCT
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114446 Starter 24 **V,** 5.4 **kW**
Replacing: 0001416046
Servicing: Iveco
B+ M10, **Mounting holes** 3 (0)
A: 92.00 **B:** 47.50 mm

9

114478 Starter 24 **V,** 3.2 **kW**

Replacing: 0001363113

Servicing: Lombardini

B+ M10, **Gear type** GR,
Mounting holes 2 (0)

A: 82.50 **B:** 23.00 mm

9

NEW PRODUCT
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114676 Starter 12 **V,** 2.2 **kW**

Replacing: 0001362705

Servicing: KHD

B+ M10, **Mounting holes** 3 (0)

A: 82.50 **B:** 23.00 mm

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All measurements are in mm, unless else states

16

110635 Starter 12 **V,** 0.5 **kW**

Replacing: 497596, 435307, 394808, 394674, 393017

Servicing: Briggs & Stratton, Various Agriculture Vehicles

B+ M6, **Total length** 169.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 15.60 mm

16

111804 Starter 12 **V,** 0.6 **kW**

Replacing: 396306, 394807, 391178

Servicing: Toro, Various Agriculture Vehicles

B+ 1/4" UNC, **Total length** 182.00, **Drive type** Plastic, **Gear type** DD, **Mounting holes** 2 (0)

B: 50.00 mm

16

112242 Starter 12 **V,** 0.6 **kW**

Replacing: 498148, 495100, 399928

Servicing: Briggs & Stratton, Various Agriculture Vehicles

B+ M6, **Total length** 182.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 10.00 mm

15

113539 Starter 12 **V**

Replacing: 808106, 693469, 691564

Servicing: Briggs & Stratton, John Deere

B+ M8, **Total length** 185.70, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 2 (0)

14

113853 Starter 12 **V**

Replacing: 693551

Servicing: Briggs & Stratton, Cub Cadet, John Deere

B+ 1/4" UNC, **Total length** 170.00, **Drive type** Bronze, **Gear type** PMDD, **Mounting holes** 3 (0)

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 860508, 857470

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 110207

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: 860504, 860121

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 860506, 860132, 857468

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: 859883

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: 870644

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 860104

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: LNS4524/20, 859542

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: LNS4524/17, 859539

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 860130, 860109

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

111000 Starter 24 **V**

Replacing: MS1A/25, MS1A/20, MS1/411AZ, MS1/401A, MS1-403A, MS1-401C, MS1-401A, MS1-401, MS1-124, MS1-103

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

10

111024 Starter 12 **V,** 3.6 **kW**

Replacing: 870646

Servicing: Clark, Lister, Massey Ferguson, Perkins

B+ M8, **Total length** 370.50,
Gear type DD, **Mounting holes** 3 (0),
Oil sealed

A: 89.00 **B:** 47.45 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: LNS2810

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50,
Gear type GR, **Mounting holes** 3 (0)
Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111574 Starter 12 **V,** 2.8 **kW**

Replacing: 858762

Servicing: ERF, LDV International, Various Agriculture Vehicles

B+ M8, **Total length** 340.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.15 mm

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9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: S115HD24-1, 2998011, 1403000

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: S115A24-21, 2998008, 1327A601, 1327A600

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 2998010

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110347 Starter 24 **V,** 7.5 **kW**

Replacing: 2311040

Servicing: Caterpillar, Clark, Fiat-Allis, Iveco

B+ M12, **15a** M4, **Total length** 522.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 50MT.

A: 92.00 **B:** 47.00 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: Z1320F515, S115A12-1, CA45H12-2, CA45G12-51A, CA45G12-51, CA45G12-2M, CA45G12-2, CA45F12-Y81

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 2998201

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 2998000

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 2998200

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

110531 Starter 24 **V,** 6.6 **kW**

Replacing: 2998007

Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz

B+ M12, **B-** M10, **Total length** 405.00, **Gear type** DD, **Mounting holes** 0 (0)

A: 56.00 **B:** 43.00 mm

11

111000 Starter 24 **V**

Replacing: 2998150

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

10

111024 Starter 12 **V,** 3.6 **kW**

Replacing: Z1320F720, S115A12-2, S115A12-12, S11512-2, CA45H12-72, CA45G12-72, CA45F12-Y72, CA45F12-72

Servicing: Clark, Lister, Massey Ferguson, Perkins

B+ M8, **Total length** 370.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

A: 89.00 **B:** 47.45 mm

11

111798 Starter 24 **V,** 7.8 **kW**

Replacing: S115A24-18, S11524-18, S11424-18, 1327A571, 1327A570, 1327571, 1327570

Servicing: Ford

B+ M8, **Total length** 372.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 47.50 mm

9

110245 Starter 12 **V,** 1.0 **kW**

Replacing: 128000-6841, 128000-6840, 128000-6621, 128000-6620, 028000-8434, 028000-8432, 028000-8431

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 196.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

9

110246 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-1061, 228000-1060, 128000-4900, 028000-6140

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 212.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 18.00 mm

9

110356 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-1050, 128000-2131, 128000-2130

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 207.20, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.40 **B:** 25.00 mm

9

110421 Starter 12 **V,** 0.8 **kW**

Replacing: 028000-9570, 028000-8890, 028000-7471, 028000-7470, 028000-7462, 028000-7461, 028000-7460

Servicing: Daihatsu, Kubota, Suzuki, Toyota, Various Agriculture Vehicles

B+ M8, **Total length** 188.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 66.00 **B:** 16.00 mm

9

110447 Starter 12 **V,** 1.0 **kW**

Replacing: 428000-2640, 228000-7151, 228000-7150, 228000-0981, 228000-0980, 228000-0970, 228000-0800

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 199.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 17.00 mm

13

110627 Starter 12 **V,** 2.5 **kW**

Replacing: 228000-8410, 028000-5884, 028000-5883, 028000-5882, 028000-5881, 028000-5880

Servicing: Case, Ford

B+ M8, **Total length** 291.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.60 mm

11

110940 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-6250, 228000-1071, 228000-1070, 228000-1041, 228000-1040, 228000-1002, 228000-1001

Servicing: Carrier Transicold, Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 212.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.50 mm

12

110999 Starter 24 **V**

Replacing: 228000-0070, 128000-7520, 128000-7510

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

9

111021 Starter 12 **V,** 1.4 **kW**

Replacing: 228000-7671, 228000-3660, 228000-1531, 228000-1530, 228000-0991, 228000-0990, 228000-0150

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 209.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 18.00 mm

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All measurements are in mm, unless else states

11

111087 Starter 12 **V,** 1.0 **kW**

Replacing: 128000-1152, 128000-1151, 128000-1150

Servicing: John Deere, Yanmar

B+ M8, **Total length** 199.45, **Gear type** GR, **Mounting holes** 2 (0)

A: 94.90 **B:** 21.00 mm

9

111197 Starter 12 **V,** 2.0 **kW**

Replacing: 228000-4750, 228000-4593, 228000-4592, 228000-4591, 228000-4590, 228000-4572, 228000-4571

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 232.40, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.55 **B:** 26.00 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: 128000-9680, 128000-5913, 128000-5912, 128000-5911, 128000-5910, 128000-0772, 128000-0771

Servicing: John Deere

B+ M10, **Total length** 402.50, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9

111622 Starter 12 **V,** 1.2 **kW**

Replacing: 228000-0951, 228000-0950

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 177.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.30 **B:** 16.00 mm

9

111683 Starter 12 **V,** 2.0 **kW**

Replacing: 228000-5382, 228000-4293, 228000-4292, 228000-4291, 228000-4290, 228000-3852, 228000-3851

Servicing: Chevrolet, GMC, Iseki, Isuzu, Opel, TCM

B+ M8, **Total length** 232.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 95.00 **B:** 19.50 mm

9

111911 Starter 12 **V,** 1.4 **kW**

Replacing: 428000-0670

Servicing: Bertolini, BMW, Ford, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 231.50, **Gear type** GR, **Mounting holes** 3 (2)

A: 76.00 **B:** 20.50 mm

11

112089 Starter 12 **V**

Replacing: 228000-1211, 228000-1210, 128000-1340

Servicing: Case, Caterpillar, Cummins, Ford, Freightliner, International, Kenworth, Mack, New Holland, Perkins, Volvo

B+ M12, **B-** M12, **15a** M5, **Total length** 500.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

14

112246 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-2950, 028000-8411, 028000-8410

Servicing: Honda, John Deere

B+ M6, **Total length** 193.00, **Gear type** DD, **Mounting holes** 2 (0)

Solenoid: Cargo 133711.

A: 62.45 **B:** 10.00 mm

9

112546 Starter 12 **V,** 0.6 **kW**

Replacing: 228000-2640, 128000-7480

Servicing: Cub Cadet, John Deere, Kohler

B+ M8, **Total length** 205.60, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.00 **B:** 8.00 mm

All measurements are in mm, unless else states

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9

113208 Starter 12 **V,** 0.8 **kW**

Replacing: 228000-4620

B+ M8, **Total length** 180.00,
Gear type DD, **Mounting holes** 2 (2)

A: 73.90 **B:** 20.00 mm

8

113230 Starter 12 **V,** 0.7 **kW**

Replacing: 128000-4520

Servicing: Massey Ferguson

B+ M8, **Total length** 204.30,
Gear type GR, **Mounting holes** 0 (0)

A: 63.40 **B:** 43.40 mm

10

113429 Starter 12 **V,** 4.2 **kW**

Replacing: 228000-6391, 228000-5621, 228000-5620, 128000-9801, 128000-9800, 128000-6391, 128000-5621

Servicing: Case, Cummins

B+ M10, **Total length** 326.00,
Gear type GR, **Mounting holes** 3 (0)

A: 91.90 **B:** 47.50 mm

9

113596 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-4020

Servicing: John Deere, Kawasaki, Kubota

B+ M8, **Total length** 180.00,
Gear type DD, **Mounting holes** 2 (2)

A: 70.00 **B:** 19.00 mm

9

113597 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-9360

Servicing: John Deere, Kawasaki

B+ M8, **Total length** 181.00,
Gear type DD, **Mounting holes** 2 (0)

A: 65.90 **B:** 17.00 mm

10

113655 Starter 12 **V,** 3.0 **kW**

Replacing: 428000-1290

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **Total length** 291.00,
Gear type GR, **Mounting holes** 3 (0)
Cargo 113655 is a Marelli/Denso version, and cannot replace the Iskra version (cargoref# 114388)

A: 89.00 **B:** 30.50 mm

9

113663 Starter 12 **V,** 0.7 **kW**

Replacing: 228000-2211, 228000-2210

Servicing: John Deere, Kawasaki

B+ M8, **Total length** 183.00,
Clutch type Wet, **Gear type** DD,
Mounting holes 2 (0)

A: 65.80 **B:** 17.00 mm

11

113696 Starter 12 **V,** 2.0 **kW**

Replacing: 228000-5123, 228000-5122, 228000-5121, 228000-5120, 228000-2970

Servicing: Ford, New Holland

B+ M8, **Total length** 219.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

13

113725 Starter 12 **V,** 2.5 **kW**

Replacing: 428000-1860, 428000-1850, 228000-9100, 228000-6981, 228000-6980, 228000-4671, 228000-4670

Servicing: Case

B+ M10, **Total length** 300.00,
Gear type DD, **Mounting holes** 2 (0)

A: 88.60 **B:** 49.00 mm

9

113734 Starter 12 **V,** 0.6 **kW**

Replacing: 128000-7050

Servicing: Bombardier, John Deere, Kawasaki

B+ M8, **Total length** 180.50,
Gear type GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 17.50 mm

11

113736 Starter 12 **V,** 4.8 **kW**

Replacing: 228000-9140, 228000-8083, 228000-8082, 228000-8081, 228000-8080, 228000-6532, 228000-6531

Servicing: John Deere, Komatsu

B+ M12, **Total length** 320.00,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

113893 Starter 12 **V,** 1.2 **kW**

Replacing: 34070-16800, 34070-16083, 128000-8462, 128000-8461, 128000-8460

Servicing: Kubota

B+ M8, **Total length** 178.50,
Clutch type Wet, **Gear type** GR,
Mounting holes 2 (0)

A: 82.30 **B:** 24.80 mm

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11

113983 Starter 12 **V,** 3.0 **kW**
Replacing: 228000-6552, 228000-6551, 228000-6550
Servicing: John Deere
B+ M12, **Total length** 315.00,
Gear type GR, **Mounting holes** 3 (0)
A: 88.80 **B:** 47.60 mm

9

114197 Starter 12 **V,** 1.1 **kW**
Replacing: 228000-7471, 228000-7470
Servicing: John Deere
B+ M8, **Total length** 209.00,
Gear type GR, **Mounting holes** 2 (0)
A: 89.00 **B:** 17.00 mm

10

NEW PRODUCT
www.hc-cargo.com

114399 Starter 12 **V,** 2.7 **kW**
Replacing: 428000-3140
Servicing: Case, New Holland
Mounting holes 2 (0)

13

NEW PRODUCT
www.hc-cargo.com

114400 Starter 12 **V,** 1.0 **kW**
Replacing: 228000-8090
Servicing: John Deere
B+ M8, **Total length** 164.00,
Gear type GR
A: 95.00 **B:** 20.00 mm

10

NEW PRODUCT
www.hc-cargo.com

114449 Starter 12 **V,** 4.0 **kW**
Replacing: 228000-6872, 228000-6871, 228000-6870
Servicing: Case
B+ M10, **Total length** 318.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 47.50 mm

11

NEW PRODUCT
www.hc-cargo.com

114459 Starter 12 **V,** 4.8 **kW**
Replacing: 228000-8471, 228000-8470
Servicing: John Deere
Mounting holes 3 (0)

9

114485 Starter 12 **V,** 1.0 **kW**
Replacing: 228000-5401, 228000-5400
Servicing: Kubota
B+ M8x1.25, **Total length** 205.00,
Gear type GR, **Mounting holes** 2 (0)
A: 66.00 **B:** 18.00 mm

9

NEW PRODUCT
www.hc-cargo.com

114486 Starter 12 **V**
Replacing: 128000-2760
Servicing: John Deere, Kawasaki
Gear type DD, **Mounting holes** 2 (0)

9

NEW PRODUCT
www.hc-cargo.com

114501 Starter 12 **V,** 1.0 **kW**
Replacing: 228000-5590
Servicing: Kubota
Gear type GR, **Mounting holes** 2 (0)

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: 6232, 6127

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 25.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 538501

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)
A: 92.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 538505, 538502

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 29.50 mm

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9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: R23.08, 6080000

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: R23.10, 6100000

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: R23.11, 6110000

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: R23.05, R22.05, R20.42, 6050000, 0050000

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: R22.07, 0070000

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: R10TA, R10.05

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: R11C, R11.03

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: R10.08, 6090000

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 27.50 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: R11W, R11.07

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

110531 Starter 24 **V,** 6.6 **kW**

Replacing: R22.12, R22.10, 6220000, 0120000, 0100000, 0090000

Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz

B+ M12, **B-** M10, **Total length** 405.00, **Gear type** DD, **Mounting holes** 0 (0)

A: 56.00 **B:** 43.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**

Replacing: R23.18, 6180000

Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles

B+ M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: R11K, R11.12

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

110545 Starter 12 **V,** 3.0 **kW**

Replacing: R11N, R11F, R11A, R11.10, R11.06, R11.01

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

110550# Starter 24 **V,** 4.0 **kW**

Replacing: R10U, R10G, R10B, R10.07, R10.06, R10.03

Servicing: Ikarus, Kaelble-Gmeinder, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Ssangyong, Steyr, Various Agriculture Vehicles

B+ M10, **Total length** 378.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

110551 Starter 12 **V,** 3.0 **kW**

Replacing: R11B, R11.02

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

111249 Starter 24 **V,** 5.4 **kW**

Replacing: R23.14, 6140000

B+ M10, **Total length** 381.80,
Drive type Bronze, **Gear type** DD,
Mounting holes 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

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12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 755F11000AB, 755F11000AA, 715F11000MA, 5003643, 1653210, 1653206

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: D9NN11000AA, D8NN11000CE, D8NN11000CA, D7NN11000B, D4NN11000B, D2NN11000B, D1NN11000A, D0NN11000B

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

9

110868 Starter 12 **V,** 1.1 **kW**

Replacing: 76EB11000AA, 71EB11000BA, 71BB11000AA, 70GB11000BA, 5003623, 1568699, 1438288

Servicing: Ford, Lamborghini, Mercury, Saab, Triumph

B+ M8, **15a** M5, **Total length** 255.25, **Gear type** DD, **Mounting holes** 2 (0)

A: 76.00 **B:** 4.50 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: C3OF11001B

Servicing: John Deere

B+ M10, **Total length** 402.50, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: SBA185086500, SBA185086410

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

10

112074 Starter 12 **V,** 3.1 **kW**

Replacing: F0NN11000CA, F0NN11000BA, 898821291, 89821291, 82013922, 82007917, 82005342, 81866002, 3918688

Servicing: Ford, New Holland

B+ M8, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

11

112089 Starter 12 **V**

Replacing: SA768A, E8HZ11002HA, E8HZ11002A, E8HT11001AA, E6HZ11002D, E6HZ11002C, E6HT11001CA, C6TZ11002E

Servicing: Case, Caterpillar, Cummins, Ford, Freightliner, International, Kenworth, Mack, New Holland, Perkins, Volvo

B+ M12, **B-** M12, **15a** M5, **Total length** 500.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

9,11

112177 Starter 12 **V,** 1.7 **kW**

Replacing: SBA185086650, SBA185086551

Servicing: Ford, New Holland

B+ M8, **Total length** 213.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

113125 Starter 12 **V**

Replacing: SA764A, SA-764A, E9HZ11002A, E9HT11001BA

Servicing: Ford, New Holland

B+ 1/2" UNC, **Total length** 401.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT, 41MT.

A: 92.00 **B:** 48.25 mm

11

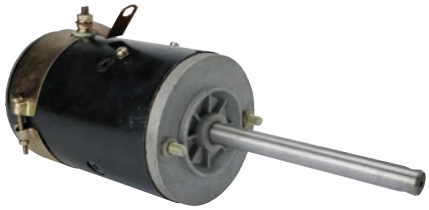
113696 Starter 12 **V,** 2.0 **kW**

Replacing: SBA185086530

Servicing: Ford, New Holland

B+ M8, **Total length** 219.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm



113728 Starter 6 **V**

Replacing: 9N11002, 9N11001, 8N11002, 8N11001

Servicing: Ford

Only for US market.

10

113968 Starter 12 **V,** 3.6 **kW**

Replacing: F1NN11000AA, F0NN7H022BA, 82013923, 82005343

Servicing: New Holland

B+ M8, **Total length** 330.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

114388 Starter 12 **V,** 3.2 **kW**

Replacing: 9HT12010A6A

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **B-** M8, **30h** M10,
Total length 296.50, **Gear type** DD,
Mounting holes 3 (0)
Iskra version.

A: 89.00 **B:** 32.50 mm

9

110412 Starter 12 **V,** 2.2 **kW**

Replacing: S13-33B, S13-33A, S13-33, S13-28, S13-27A, S13-27, S13-25, S13-123, S13-111, S13-06A, S13-06

Servicing: Isuzu, John Deere, TCM

B+ M8, **Total length** 233.80,
Gear type DD, **Mounting holes** 2 (0)

A: 94.90 **B:** 20.30 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: S12-87, S12-85

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: S12-84

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: S13-61A, S13-61

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

9

110552 Starter 12 **V,** 1.2 **kW**

Replacing: S114-381

Servicing: Ford, JCB, John Deere, Volvo Penta

B+ M8, **Total length** 194.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: S13-74, S13-73B, S13-73, S12-73

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

111098 Starter 12 **V,** 1.0 **kW**

Replacing: S114-385

Servicing: Iseki

B+ M8, **Total length** 212.50,
Gear type GR, **Mounting holes** 2 (0)

A: 80.00 **B:** 22.60 mm

9

111683 Starter 12 **V,** 2.0 **kW**

Replacing: S13-136

Servicing: Chevrolet, GMC, Iseki, Isuzu, Opel, TCM

B+ M8, **Total length** 232.50,
Gear type GR, **Mounting holes** 2 (0)

A: 95.00 **B:** 19.50 mm

11

112674 Starter 12 **V,** 1.3 **kW**

Replacing: S114-230A, S114-230

Servicing: Yanmar

B+ M8, **Total length** 208.00,
Clutch type Wet, **Gear type** DD,
Mounting holes 2 (0)

A: 89.00 **B:** 24.00 mm

9

113680 Starter 12 **V,** 0.9 **kW**

Replacing: S114-656A, S114-656, S114-203

Servicing: Yanmar

B+ M8, **Total length** 189.00,
Gear type GR, **Mounting holes** 2 (0)

A: 88.70 **B:** 16.00 mm

11

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114401 Starter 12 **V,** 1.2 **kW**

Replacing: S114-821A, S114-821

Servicing: John Deere

Mounting holes 2 (2)

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9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: AZK5545, AZK5401, 11.139.506, 11.130.041

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: AZK5191, 11.139.032

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: AZK5179, 11.139.020

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: AZK5111, AZJ3544, AZJ3531, AZJ3248, AZJ3114, AZJ0404, 11.130.711, 11.130.408, 11.130.194

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: AZJ3447, 11.131.635

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: AZK5133, 11.139.038, 11.130.320

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3279, 11.130.769

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3198, AZJ3182, 11.130.624, 11.130.579

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: AZJ3324, 11.130.795

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: AZJ3542, AZJ3520, 11.130.216, 11.130.146

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: AZJ3515, AZJ3460, AZJ3131, 11.139.454, 11.130.490, 11.130.124

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

All measurements are in mm, unless else states

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9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: AZK5119, AZJ3593, 11.130.364, 11.130.170, 11.130.121

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: AZJ3546, AZJ3459, AZJ3133, AZF3542, 11.139.453, 11.130.492, 11.130.225

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3594, AZJ3461, AZJ3237, 11.139.455, 11.130.697, 11.130.366

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: AZJ3518, AZJ3132, 11.130.491, 11.130.172, 11.130.141, 11.130.075

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3548, AZJ3118, 11.130.412, 11.130.229

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3582, AZJ3535, AZJ3517, AZJ3116, AZJ3110, 11.130.410, 11.130.403, 11.130.322, 11.130.199

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3556, AZJ3537, AZJ3503, AZJ3149, 11.130.521, 11.130.253, 11.130.201, 11.130.083

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3508, AZJ3170, AZJ3169, AZJ3128, AZJ0402, 11.130.552, 11.130.551, 11.130.484, 11.130.117

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

9

110537 Starter 12 **V,** 3.6 **kW**

Replacing: AZK5196, AZK5195, AZK5168, AZK5106, AZK5105, 11.139.037, 11.139.036, 11.139.008, 11.130.126

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 384.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

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11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3599, AZJ3525, AZJ3319, AZJ3234, AZJ3119, 11.130.897, 11.130.692, 11.130.414, 11.130.376

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3285, 11.130.821

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3598, AZJ3536, AZJ3330, AZJ3305, AZJ3203, AZJ3144, AZJ3121, AZJ3117, AZJ3105, AZJ0405, AZE4244

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3369, AZJ3151, 11.131.070, 11.130.526

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3534, AZJ3516, AZJ3115, 11.130.409, 11.130.198, 11.130.127

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

110813 Starter 12 **V,** 2.7 **kW**

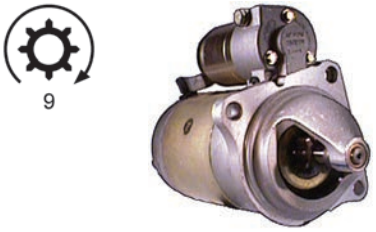
Replacing: AZJ3538, AZJ3458, AZE6531, 11.139.452, 11.131.603, 11.130.203

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9



110814 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3514, AZJ3137, 11.130.500, 11.130.123

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: AZJ3347, AZJ3204, 11.130.972, 11.130.630

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: AZJ3389, AZJ3206, AZJ3148, 11.131.162, 11.130.632, 11.130.520

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3557, AZJ3320, AZF4220, 11.131.829, 11.130.898, 11.130.254

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

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9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: AZD2127, 11.131.928

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: AZK5511, AZK5457, AZK5449, AZK5192, AZK5112, 11.139.108, 11.139.098, 11.139.033, 11.130.142

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: AZJ3297, AZJ3215, 11.130.860, 11.130.663

Servicing: John Deere

B+ M10, **Total length** 402.50,
Gear type GR, **Mounting holes** 3 (0),
Oil sealed
Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3244, AZJ3219, AZJ3218, 11.130.706, 11.130.670, 11.130.669

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3314, AZJ3242, 11.130.889, 11.130.704

Servicing: Case, Payloader

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3283, AZJ3274, AZJ3181, AZJ3158, AZJ3157, AZF4596, AZF4521, 11.131.374, 11.130.819, 11.130.793

Servicing: John Deere

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: AZE4535, AZE4202, 11.131.951, 11.131.109

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

9

111885 Starter 12 **V,** 3.1 **kW**

Replacing: AZJ3236, AZJ3216, 11.130.695, 11.130.664

Servicing: Case

B+ M10, **Total length** 332.50,
Gear type DD, **Mounting holes** 3 (0)
Oil and waterproof.

A: 89.00 **B:** 48.00 mm

9,10

112034 Starter 12 **V,** 1.7 **kW**

Replacing: AZE2636, 11.131.157

Servicing: ACME, Arona, BCS, Ferrari, Goldoni, Hatz, Lombardini, Mosa, Ruggerini, VW

B+ M8, **Total length** 233.30,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 27.00 mm

9

112039 Starter 12 **V,** 2.7 **kW**

Replacing: AZJ3192, 11.130.612

Servicing: Fendt, Jenbacher Werke, KHD, Lombardini

B+ M8, **Total length** 295.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 24.00 mm

11

112041 Starter 12 **V,** 2.2 **kW**

Replacing: AZJ3177, 11.130.565

Servicing: KHD, Various Agriculture Vehicles

B+ M10, **Total length** 293.00,
Gear type DD, **Mounting holes** 3 (0)

A: 82.50 **B:** 21.00 mm

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All measurements are in mm, unless else states

9

112071 Starter 12 **V,** 3.0 **kW**
Replacing: AZF4514, AZF4197, AZF4194, 11.131.769, 11.131.754, 11.130.841
Servicing: Deutz-Fahr
B+ M10, **Total length** 315.80,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 28.80 mm

10

112074 Starter 12 **V,** 3.1 **kW**
Replacing: AZJ3201, 11.131.705, 11.130.627
Servicing: Ford, New Holland
B+ M8, **Gear type** DD,
Mounting holes 3 (0)
A: 92.00 **B:** 21.00 mm

9

112132 Starter 24 **V,** 4.0 **kW**
Replacing: AZJ3277, 11.130.766
Servicing: Volvo BM
B+ M10, **Total length** 339.00,
Gear type DD, **Mounting holes** 3 (0),
Oil sealed
A: 88.70 **B:** 47.00 mm

11

112135 Starter 12 **V,** 3.1 **kW**
Replacing: AZJ3317, AZJ3243, 11.130.895, 11.130.705
Servicing: Case
B+ M10, **Total length** 315.50,
Gear type DD, **Mounting holes** 3 (0)
A: 88.80 **B:** 22.00 mm

10

112136 Starter 12 **V,** 2.8 **kW**
Replacing: AZJ3318, 11.130.896
Servicing: Massey Ferguson
B+ M8, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)
A: 88.75 **B:** 48.30 mm

9

112171 Starter 12 **V,** 1.1 **kW**
Replacing: AZE2617, 11.131.002
Servicing: BCS, Bertolini, Ferrari, Goldoni, Lombardini, Piaggio, Valpadana
B+ M8, **Total length** 220.00,
Gear type GR, **Mounting holes** 2 (0)
A: 76.00 **B:** 28.00 mm

9

112249 Starter 12 **V,** 2.7 **kW**
Replacing: AZJ3197, AZJ3155, 11.130.620, 11.130.531
Servicing: Mercedes-Benz, Various Agriculture Vehicles
B+ M10, **Total length** 295.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 21.50 mm

9

112555 Starter 12 **V,** 3.1 **kW**
Replacing: AZJ3179, 11.130.567
Servicing: Bosch, Deutz-Fahr, Fendt, Irmer, Jenbacher Werke, KHD, Kramer, Linde
B+ M10, **Total length** 303.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 28.50 mm

10

112660 Starter 12 **V,** 2.8 **kW**
Replacing: AZJ3364, 11.131.038
Servicing: Case
B+ M10, **Total length** 333.00,
Gear type DD, **Mounting holes** 3 (0)
A: 88.80 **B:** 48.00 mm

10

113007 Starter 24 **V,** 4.0 **kW**
Replacing: AZJ3214, AZF4573, 11.131.274, 11.130.797, 11.130.662
Servicing: John Deere
B+ M10, **Total length** 338.50,
Clutch type Wet, **Gear type** GR,
Mounting holes 2 (0)
A: 82.50 **B:** 33.00 mm

9

113182 Starter 12 **V,** 3.0 **kW**
Replacing: AZF4155, 11.131.604
Servicing: New Holland
B+ M10, **Total length** 320.00,
Gear type GR, **Mounting holes** 3 (0)
A: 110.00 **B:** 30.00 mm

10

113356 Starter 24 **V,** 3.5 **kW**
Replacing: AZJ3223, 11.130.676
Servicing: Belarus, GAZ, ZIL
B+ M10, **Total length** 235.00,
Gear type GR, **Mounting holes** 3 (0)
A: 99.90 **B:** 32.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

113381 Starter 12 **V,** 2.5 **kW**

Replacing: AZJ3462, AZJ3195, AZJ3145, 11.139.456, 11.130.618, 11.130.510

Servicing: Farymann, Fiat, Fiat-Allis, Goldoni

B+ M10, **B-** M8, **Total length** 315.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 109.70 **B:** 26.00 mm

10

113429 Starter 12 **V,** 4.2 **kW**

Replacing: AZF4611, AZF4577, 11.131.300, 11.131.117

Servicing: Case, Cummins

B+ M10, **Total length** 326.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 91.90 **B:** 47.50 mm

9

113467 Starter 12 **V,** 3.7 **kW**

Replacing: AZJ3196, 11.130.619

Servicing: Atlas Copco, Deutz-Fahr, Iveco

B+ M10, **Total length** 346.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 28.00 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: AZE4620, AZE4603, AZE4534, 11.131.221, 11.131.108, 11.131.063

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

9

113482 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3310, 11.130.881

Servicing: Volvo BM

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.00 mm

11

113484 Starter 24 **V,** 4.0 **kW**

Replacing: AZJ3186, 11.130.595

Servicing: Sisu, Valtra

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

113532 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3284, AZF4582, AZF4559, AZF4510, 11.131.318, 11.131.167, 11.130.820, 11.130.748

Servicing: Renault Agriculture

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.50 **B:** 34.00 mm

11

113570 Starter 12 **V,** 4.2 **kW**

Replacing: AZF4513, AZF4190, 11.131.727, 11.131.542, 11.130.836

Servicing: Valtra

B+ M10, **Total length** 321.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.85 **B:** 48.50 mm

9

113850 Starter 24 **V,** 5.4 **kW**

Replacing: AZK5467

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

A: 89.00 **B:** 48.00 mm

9

113900 Starter 12 **V,** 2.5 **kW**

Replacing: AZE6544, 11.131.750

Servicing: John Deere

B+ M8, **Total length** 239.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

10

113901 Starter 12 **V,** 3.0 **kW**

Replacing: AZE4597, AZE4540, AZE4166, 11.131.728, 11.131.426, 11.131.116

Servicing: Valtra

B+ M10, **Total length** 297.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

113968 Starter 12 **V,** 3.6 **kW**

Replacing: AZJ3212, 11.130.659

Servicing: New Holland

B+ M8, **Total length** 330.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

114002 Starter 12 **V,** 4.2 **kW**
Replacing: AZF4591, 11.131.352
Servicing: Case
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.00 mm

10

114050 Starter 12 **V,** 4.2 **kW**
Replacing: AZF4535, 11.130.999
Servicing: New Holland
B+ M10, **30h** M10, **Total length** 317.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 27.50 mm

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114107 Starter 12 **V,** 3.2 **kW**
Replacing: AZE4579, AZE4214, 11.131.984, 11.131.315
Servicing: Landini, Massey Ferguson, Mccormick, Perkins
Gear type GR, **Mounting holes** 3 (0)

9

114220 Starter 24 **V,** 4.0 **kW**
Replacing: AZF4230, 11.131.863
Servicing: Deutz-Fahr
B+ M10, **Total length** 315.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 25.00 mm

11

114254 Starter 12 **V,** 2.7 **kW**
Replacing: AZJ3405, AZJ3247, 11.131.249, 11.130.710
Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor
B+ 9.70, **Total length** 237.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 49.40 mm

11

114264 Starter 12 **V,** 4.2 **kW**
Replacing: AZF4576, AZF4224, AZF4181, 11.131.848, 11.131.697, 11.131.292
Servicing: JCB
B+ M10, **Total length** 345.00,
Gear type GR, **Mounting holes** 3 (0)
A: 89.00 **B:** 24.00 mm

9

114320 Starter 12 **V,** 3.0 **kW**
Replacing: AZF4229
Servicing: JCB, KHD
B+ M10, **Total length** 316.00,
Gear type GR, **Mounting holes** 2 (0)
A: 82.50 **B:** 23.00 mm

10

114388 Starter 12 **V,** 3.2 **kW**
Replacing: AZE4220, AZE4201, AZE4197, AZE4175, AZE4173, AZE4170, AZE4150, 11.132.036, 11.131.989, 11.131.947
Servicing: Hattat Tarim, JCB, Perkins
B+ M8, **B-** M8, **30h** M10,
Total length 296.50, **Gear type** DD,
Mounting holes 3 (0)
Iskra version.
A: 89.00 **B:** 32.50 mm

9,12

NEW PRODUCT
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114475 Starter 12 **V,** 4.0 **kW**
Replacing: AZF4310, AZF4231, AZF4178, 11.132.138, 11.131.864, 11.131.686
Servicing: Fendt
B+ M10, **Total length** 321.50,
Mounting holes 3 (0)
A: 89.00 **B:** 28.00 mm

9

NEW PRODUCT
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114677 Starter 12 **V,** 1.8 **kW**
Replacing: AZE2662, AZE2605, 11.131.527, 11.130.922
Mounting holes 2 (0)

All measurements are in mm, unless else states

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10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 35259580

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

9

110412 Starter 12 **V,** 2.2 **kW**

Replacing: LES0121

Servicing: Isuzu, John Deere, TCM

B+ M8, **Total length** 233.80,
Gear type DD, **Mounting holes** 2 (0)

A: 94.90 **B:** 20.30 mm

9

110421 Starter 12 **V,** 0.8 **kW**

Replacing: 26925240A

Servicing: Daihatsu, Kubota, Suzuki, Toyota, Various Agriculture Vehicles

B+ M8, **Total length** 188.00,
Gear type DD, **Mounting holes** 2 (0)

A: 66.00 **B:** 16.00 mm

10

110438 Starter 12 **V,** 2.1 **kW**

Replacing: LES0012, 27420B, 27420A, 27420, 26925188D, 26925188A, 26288F, 26288E, 26288A, 26288, 26193

Servicing: Case, Payloader

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 19.50 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: NSB509, LES0015, 27488, 27480, 27474B, 27474A, 27474, 27470B, 27470A, 27470, 27469A, 27469, 27459A

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: NSB501, NSB500, LES0011, 27487, 27485, 27479, 27477, 27473, 27464, 27415D, 27415B, 27415A, 27415

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: NSB503, LES0004, 27486, 27478, 27472, 27467, 27435A, 27435, 27417D, 27417B, 27417A, 27417

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110460 Starter 12 **V,** 2.8 **kW**

Replacing: LES0023, LES0010, 27559E, 27559A, 27559, 27537B, 27537A, 27537, 27519D, 27519A, 27519, 27503D

Servicing: Atlas Copco, Dronningborg, JCB, Massey Ferguson

B+ M8, **Total length** 307.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: NSB521, LES0034, 27577A, 27577, 27567, 27531, 27501E, 27501B, 27501A, 27501, 26407, 26388, 26356

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: NSB520, LES0017, 27614, 27569A, 27569, 27515A, 27500J, 27500A, 27500, 27426, 26925155B, 26925155A

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: NSB515, LRS138, LES0007, 27489, 27476, 27465, 27419D, 27419A, 27419, 26286J, 26286H, 26286F, 26286E

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: LES0036, 61924031

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: LES0039, 61924051, 26025117A

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 26417

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: LES0038, 61924050

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: NSB523, LRS926, LES0006, 27587, 27512D, 27512A, 27512, 26432, 26342K, 26342D, 26342A, 26342, 26284E

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: NSB540, NSB531, NSB529, LES0044, LES0043, LES0019, LES0013, 27606, 27599, 27594, 27583A, 27583

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: NSB524, NSB522, LES0040, LES0016, 27628, 27625, 27621, 27609, 27607, 27603, 27596, 27592, 27588

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: LES0014, 27440B, 27440A, 27440, 26394

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: S0850, LRS01976, LES0230, LES0037, 61924066, 61924015, 26390E, 26390B, 26390A, 26390, 26290

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: 27401

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

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All measurements are in mm, unless else states

10

110817 Starter 12 **V,** 2.1 **kW**

Replacing: LES0003, 27427E, 27427A, 27427, 27424B, 27424A, 27424, 26310H, 26310F, 26310E, 26310D, 26310A

Servicing: DAF, Various Agriculture Vehicles

B+ M8, **Total length** 315.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 25.00 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: S4523, NSB513, NSB415, LES0008, 27463D, 27463A, 27463, 27423A, 27423, 27413D, 27413A, 27413, 26917

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: S4515, NSB530, 27593A, 27593, 27584, 27582, 27580, 27571B, 27571A, 27571, 27546B, 27546A, 27546

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9

110868 Starter 12 **V,** 1.1 **kW**

Replacing: 25735E, 25735A, 25735

Servicing: Ford, Lamborghini, Mercury, Saab, Triumph

B+ M8, **15a** M5, **Total length** 255.25,
Gear type DD, **Mounting holes** 2 (0)

A: 76.00 **B:** 4.50 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: 35259690

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50,
Gear type GR, **Mounting holes** 3 (0)
Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

9

111103 Starter 12 **V,** 0.8 **kW**

Replacing: 25239, 25201, 25149, 25138, 25097, 25092D, 25088, 25087, 25085, 25079, 25065, 25063, 25062, 25061

Servicing: Hillman, MG, Morris, Triumph, Various Agriculture Vehicles, Vauxhall

B+ M8, **Total length** 321.50,
Gear type DD, **Mounting holes** 2 (0)

A: 88.80 **B:** 60.35 mm

9

111254 Starter 24 **V,** 4.5 **kW**

Replacing: LRS01910

Servicing: John Deere

B+ M10, **Total length** 332.25,
Gear type GR, **Mounting holes** 2 (0)

A: 94.85 **B:** 19.20 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: LES0041, LES0024, 27629, 27627B, 27627, 27626, 27620, 27610, 27608, 27602, 27598, 27590, 27589

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111499 Starter 12 **V,** 2.8 **kW**

Replacing: LES0029, 27528, 26379F, 26379A, 26379

Servicing: Case

B+ M8, **Total length** 307.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

111573 Starter 12 **V,** 2.8 **kW**

Replacing: LES0001, 27526D, 27526A, 27526, 27513A, 27513, 26376L, 26376K, 26376A, 26376, 26351, 26343K, 26343D

Servicing: Avia, JCB, TCM, Various Agriculture Vehicles

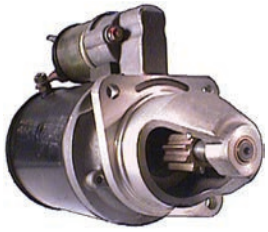
B+ M8, **Total length** 311.00,
Gear type DD/GR, **Mounting holes** 3 (0)

A: 101.00 **B:** 25.50 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10



111574 Starter 12 **V,** 2.8 **kW**

Replacing: LES0035, 27595, 27564F, 27564A, 27564, 26025110A

Servicing: ERF, LDV International, Various Agriculture Vehicles

B+ M8, **Total length** 340.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.15 mm

10

111737 Starter 12 **V,** 2.8 **kW**

Replacing: 27502D, 27502A, 27502, 26369J, 26369H, 26369A, 26369, 26359F, 26359B, 26359A, 26359, 26294Q, 26294N

Servicing: Atlas Copco, Bedford, Fiat-Allis, Massey Ferguson, Perkins, Sampo-Rosenlew

B+ M8, **Total length** 314.75,
Clutch type Wet, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 28.50 mm

10

112136 Starter 12 **V,** 2.8 **kW**

Replacing: LES0030, 27601, 27533E, 27533A, 27533, 26398H, 26398F, 26398A, 26398

Servicing: Massey Ferguson

B+ M8, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 48.30 mm

9

112163 Starter 12 **V,** 2.0 **kW**

Replacing: 26925056

Servicing: Mahindra

B+ M8, **Total length** 307.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 20.00 mm

9

112172 Starter 12 **V,** 1.6 **kW**

Replacing: LES0186

Servicing: Arona, BMW, Ferrari, Lombardini, Mosa

B+ M8, **30h** M5, **Total length** 267.50,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 28.00 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 529965EX, 27604, 27586, 27575, 27556, 27508D, 27508B, 27508A, 27508, 26925262B, 26433, 26428A

Servicing: Case

B+ M10, **Total length** 333.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

9

113381 Starter 12 **V,** 2.5 **kW**

Replacing: LES0031, 27430B, 27430A, 27430

Servicing: Farymann, Fiat, Fiat-Allis, Goldoni

B+ M10, **B-** M8, **Total length** 315.00,
Gear type DD, **Mounting holes** 3 (0)

A: 109.70 **B:** 26.00 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: 26024033A

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50,
Gear type DD, **Mounting holes** 2 (0),
Oil sealed

A: 82.00 **B:** 35.00 mm

11

113484 Starter 24 **V,** 4.0 **kW**

Replacing: 27305

Servicing: Sisu, Valtra

B+ M10, **Total length** 340.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

10

113670 Starter 12 **V,** 2.2 **kW**

Replacing: 26025115A, 26025115, 26024070A

Servicing: Mahindra

B+ M8, **15a** M5, **Total length** 284.35,
Clutch type Wet, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 20.00 mm

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All measurements are in mm, unless else states

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 63226391, 63226301

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: 63227485, 63227479, 2707130

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 63227501

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 63227569

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: 63227489

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: MT72AB, MT72AA, MT72A, 63217226, 63217225, 63217201, 30281018

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: MT67CB, MT67CA, MT67C, 63216741, 63216740, 63216703, 30281020, 063216741010

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: MT67BA, MT67B, MT43HA, 63216733, 63216702, 63214371, 63214333, 63214308, 30281027, 30281017

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: MT67DB, MT67DA, MT67D, MT67AD, MT67AC, MT67AB, MT67AA, MT67A, 63224580, 63224170, 63216748

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: MT68LC, MT68LB, MT68LA, MT68L, 63216898, 63216896, 63216873, 4755110, 063216896010

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: MT68MB, MT68MA, MT68AD, MT68AC, MT68AB, MT68AA, MT68A, MT62BA, M125M3-Z9(3/12), M125-3/12, 63224600

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: MT68PB, MT68PA, MT68P, 63217138, 63216884, 63216876, 63216814, 063216884010, 063216876010

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: MT74G, MT68T, 943252071010

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 63227512

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 943226366, 63296357, 63227596, 63227588, 63227585, 63227520, 63227518, 63227486, 63227478, 54293284

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: MT71AC, MT71AB, MT71AA, MT71A, 63522235, 63217126, 63217125, 63217101, 30380319

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: MT71DB, MT71DA, MT71D, 94317148, 63217148, 63217147, 63217104, 30180309

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 63227528, 63227413, 63226845

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: 63227488, 63227480, 63227470, 27593A, 27571, 27540, 27522

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: MT68RA, MT68R, 63216816

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: 63521070

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25,
Gear type GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: MT38RA, MT38R

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

111284 Starter 12 **V,** 2.5 **kW**

Replacing: 63217163, 63217106, 063217163010

Servicing: Lamborghini, Sabb, Various Agriculture Vehicles

B+ M10, **Total length** 296.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 21.00 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: 63227599, 63227598, 63227590, 63227568, 63227565, 63227541

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: 63206834, 063206834010

Servicing: John Deere

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

9

111911 Starter 12 **V,** 1.4 **kW**

Replacing: 63293537, 63280070, 63223537, 63111006

Servicing: Bertolini, BMW, Ford, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 231.50, **Gear type** GR, **Mounting holes** 3 (2)

A: 76.00 **B:** 20.50 mm

9,10

112034 Starter 12 **V,** 1.7 **kW**

Replacing: 63221435, 63221405

Servicing: ACME, Arona, BCS, Ferrari, Goldoni, Hatz, Lombardini, Mosa, Ruggerini, VW

B+ M8, **Total length** 233.30, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 27.00 mm

9

112039 Starter 12 **V,** 2.7 **kW**

Replacing: MT71GB, 63217158, 063217158010

Servicing: Fendt, Jenbacher Werke, KHD, Lombardini

B+ M8, **Total length** 295.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 24.00 mm

10

112136 Starter 12 **V,** 2.8 **kW**

Replacing: 63227601

Servicing: Massey Ferguson

B+ M8, **Total length** 340.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 48.30 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 63227508

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

9

113182 Starter 12 **V,** 3.0 **kW**

Replacing: MSN2039

Servicing: New Holland

B+ M10, **Total length** 320.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

113381 Starter 12 **V,** 2.5 **kW**

Replacing: MT71Z, 63217121

Servicing: Farymann, Fiat, Fiat-Allis, Goldoni

B+ M10, **B-** M8, **Total length** 315.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 109.70 **B:** 26.00 mm

9

113467 Starter 12 **V,** 3.7 **kW**

Replacing: 943252216010

Servicing: Atlas Copco, Deutz-Fahr, Iveco

B+ M10, **Total length** 346.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 28.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

113655 Starter 12 **V,** 3.0 **kW**

Replacing: 63280041

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **Total length** 291.00,

Gear type GR, **Mounting holes** 3 (0)

Cargo 113655 is a Marelli/Denso version, and cannot replace the Iskra version (cargoref# 114388)

A: 89.00 **B:** 30.50 mm

9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 9125330, 9125260, 9125220

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 9125240

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: 9125250

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 9125010

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 9125020

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: 9142860, 9142724

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 9144965, 9142765

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: 91428729

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 9124320

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 9124330

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**

Replacing: 443115174622

Servicing: Cummins, Fiat-Allis

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**

Replacing: 9142320

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 343.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: 9142723, 443115144723

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: 9174602, 9124310, 443115174602

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 9142746, 443115144726

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 9144744

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**

Replacing: 9144821, 9144743, 9142880, 443115144743

Servicing: Huerlimann, Lamborghini, Same

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 22.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**

Replacing: 9125370

Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles

B+ M10, **Total length** 390.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: 9142803, 9142802

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 91455722, 9144722, 9142741, 443115144729, 443115144620, 443115144420

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

11

110550# Starter 24 **V,** 4.0 **kW**

Replacing: 9174642, 443115174642

Servicing: Ikarus, Kaelble-Gmeinder, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Ssangyong, Steyr, Various Agriculture Vehicles

B+ M10, **Total length** 378.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: 9144742, 443115144742, 443115144640, 443115144540

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 9142728

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

9

110813 Starter 12 **V,** 2.7 **kW**

Replacing: 9144745

Servicing: Agrifull, Allis Chalmers, Benfra, Fiat, Fiat-Allis, Goldoni, Iveco

B+ M10, **Total length** 294.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 9142764

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: 9144820

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: 9125300

B+ M10, **Total length** 381.80, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: 9142801

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: 9142805

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

111755 Starter 12 **V,** 3.0 **kW**

Replacing: 9142700

Servicing: John Deere

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 34.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: 9142900, 9142726, 443115142726

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

10

112074 Starter 12 **V,** 3.1 **kW**

Replacing: 9142766

Servicing: Ford, New Holland

B+ M8, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10,11

112442 Starter 12 **V,** 3.0 **kW**

Replacing: 9142745

Servicing: John Deere

B+ M10, **Total length** 315.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

112488 Starter 12 **V,** 2.7 **kW**

Replacing: 9142780, 443115142780

Servicing: Belarus

B+ M10, **Total length** 238.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0)

A: 100.00 **B:** 32.00 mm

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

10

113269 Starter 12 **V,** 3.0 **kW**

Replacing: 9144702, 9142702, 446115144702, 444115144702, 443115144702, 443115142702

Servicing: Atlas Copco, Barber Greene, Benford, Case, Daewoo, Matbro, Perkins, Thwaites

B+ M10, **Total length** 234.50, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.80 **B:** 31.50 mm

10

113356 Starter 24 **V,** 3.5 **kW**

Replacing: 9172780, 9172702

Servicing: Belarus, GAZ, ZIL

B+ M10, **Total length** 235.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 99.90 **B:** 32.00 mm

11

114254 Starter 12 **V,** 2.7 **kW**

Replacing: 9142722, 443115144722

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ 9.70, **Total length** 237.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 49.40 mm

10

114388 Starter 12 **V,** 3.2 **kW**

Replacing: 9142903

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **B-** M8, **30h** M10, **Total length** 296.50, **Gear type** DD, **Mounting holes** 3 (0)

Iskra version.

A: 89.00 **B:** 32.50 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

17

113671 Starter 12 **V**

Replacing: SM11

Servicing: Honda

B+ M6, **Total length** 164.00,
Gear type GR, **Mounting holes** 2 (0)

8,11

110182 Starter 12 **V,** 0.9 **kW**

Replacing: M3T10476D, M3T10476, M3T10475, M3T10473, M0T92581, M0T84381A, M0T84381

Servicing: Mitsubishi, Various Agriculture Vehicles, Yale

B+ M8, **Total length** 201.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 74.00 **B:** 18.00 mm

9

110421 Starter 12 **V,** 0.8 **kW**

Replacing: M3T49982, M3T49981, M3T33481, M3T33181, M3T29681

Servicing: Daihatsu, Kubota, Suzuki, Toyota, Various Agriculture Vehicles

B+ M8, **Total length** 188.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 66.00 **B:** 16.00 mm

15

110933 Starter 12 **V,** 1.4 **kW**

Replacing: MM409414, MM409410, M2T50391, M2T50381, M2T50371

Servicing: Iseki

B+ M8, **Total length** 220.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.90 **B:** 29.25 mm

12

110999 Starter 24 **V**

Replacing: M7T03777, M7T03774

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

11

111000 Starter 24 **V**

Replacing: M4T95481

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

11

111275 Starter 12 **V,** 2.0 **kW**

Replacing: M5T23172, M3T64172, M2T61371, M2T60271, M2T56475, M2T56472, M2T56471, M2T54671

Servicing: Ford, Mitsubishi

B+ M8, **Total length** 250.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.40 **B:** 23.50 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: M8T70071, M2T58981, M2T54091, M2T54085, M2T54083

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

13

111703 Starter 12 **V,** 2.0 **kW**

Replacing: M2T63371

Servicing: Ford, Perkins

B+ M8, **Total length** 250.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 73.80 **B:** 19.50 mm

9,11

112177 Starter 12 **V,** 1.7 **kW**

Replacing: M2T58971, M1T66081

Servicing: Ford, New Holland

B+ M8, **Total length** 213.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

11

114280 Starter 24 **V,** 3.2 **kW**

Replacing: ME108364, ME108080, M8T80472A, M8T80472, M8T80471A, M8T80471

Servicing: Caterpillar

B+ M8, **Total length** 241.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 77.00 **B:** 10.40 mm

9,12

NEW PRODUCT
www.hc-cargo.com

114475 Starter 12 **V,** 4.0 **kW**
Replacing: M9T50471, M009T50471
Servicing: Fendt
B+ M10, **Total length** 321.50,
Mounting holes 3 (0)
A: 89.00 **B:** 28.00 mm

9

114485 Starter 12 **V,** 1.0 **kW**
Replacing: M0T90881
Servicing: Kubota
B+ M8x1.25, **Total length** 205.00,
Gear type GR, **Mounting holes** 2 (0)
A: 66.00 **B:** 18.00 mm

NEW PRODUCT
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114686 Starter 12 **V,** 1.3 **kW**
Replacing: M0T88081

All measurements are in mm, unless else states

O.E.M. names and numbers are used for reference purposes only.

9

110412 Starter 12 **V,** 2.2 **kW**

Replacing: 0-21000-5231, 0-21000-5230, 0-21000-4231, 0-21000-4230, 0-21000-3730

Servicing: Isuzu, John Deere, TCM

B+ M8, **Total length** 233.80, **Gear type** DD, **Mounting holes** 2 (0)

A: 94.90 **B:** 20.30 mm

12

110604 Starter 12 **V,** 2.8 **kW**

Replacing: 0-23000-1890, 0-23000-1880

Servicing: Allis Chalmers, Carrier Transicold, Perkins

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 22MT, 27MT, 28MT.

A: 88.75 **B:** 46.45 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: 0-23000-1870, 0-23000-1830

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 0-23000-2060

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

9

111254 Starter 24 **V,** 4.5 **kW**

Replacing: 0-23000-2541, 0-23000-2540, 0-23000-2201, 0-23000-2103, 0-23000-2102, 0-23000-2101, 0-23000-2100

Servicing: John Deere

B+ M10, **Total length** 332.25, **Gear type** GR, **Mounting holes** 2 (0)

A: 94.85 **B:** 19.20 mm

10

111760 Starter 24 **V,** 4.5 **kW**

Replacing: 0-23000-2470, 0-23000-2270, 0-23000-2040, 0-23000-2031, 0-23000-2030

Servicing: Case, Cummins

B+ M10, **15a** M5, **Total length** 339.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 7MT, 28MT.

A: 89.00 **B:** 45.00 mm

10

112268 Starter 12 **V,** 2.8 **kW**

Replacing: 0-23000-2140, 0-23000-2010, 0-23000-1850

Servicing: Allis Chalmers, Hyster, Massey Ferguson, New Holland

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

10

112668 Starter 12 **V,** 2.5 **kW**

Replacing: 0-23000-2070

Servicing: Hough, Komatsu

B+ M10, **15a** M5, **Total length** 338.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

10

113452 Starter 12 **V,** 2.5 **kW**

Replacing: 0-23000-2260

Servicing: Agco White

B+ M10, **15a** M5, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 88.80 **B:** 45.00 mm

11

114324 Starter 24 **V,** 4.5 **kW**

Replacing: 0-24000-3251, 0-24000-3250, 0-24000-3123, 0-24000-3122, 0-24000-3120

Servicing: Hitachi, Isuzu

Gear type GR, **Mounting holes** 2 (0)

A: 95.00 mm

11

114483 Starter 24 **V,** 4.5 **kW**

Replacing: 0-24000-3261, 0-24000-3260

Servicing: JCB

B+ M10, **Total length** 230.10, **Gear type** GR, **Mounting holes** 3 (0)

A: 10.50 **B:** 41.00 mm

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9

110525 Starter 12 **V,** 3.0 **kW**

Replacing: 35259380

Servicing: Claas, Mercedes-Benz

B+ M10, **Total length** 341.00,

Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

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9

111683 Starter 12 **V,** 2.0 **kW**

Replacing: 03101-3031, 03101-3030

Servicing: Chevrolet, GMC, Iseki, Isuzu, Opel, TCM

B+ M8, **Total length** 232.50,
Gear type GR, **Mounting holes** 2 (0)

A: 95.00 **B:** 19.50 mm

9

110245 Starter 12 **V,** 1.0 **kW**

Replacing: PBNS3040, 20513040

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 196.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: 66925050, 20500190

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

10

110442 Starter 12 **V,** 2.1 **kW**

Replacing: 66925051

Servicing: Balkancar, Conveyancer, Massey Ferguson, Matbro

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 30.00 mm

10

110443 Starter 12 **V,** 2.1 **kW**

Replacing: 20500124

Servicing: Balkancar, Dronningborg, Massey Ferguson, Matbro, Rover

B+ M8, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

110449 Starter 12 **V,** 3.6 **kW**

Replacing: PBNS1644

Servicing: Caterpillar, Dronningborg, Hyster, Massey Ferguson, Perkins

B+ M8, **Total length** 370.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.90 **B:** 48.75 mm

12,13

110461 Starter 12 **V,** 2.8 **kW**

Replacing: PBNS1176, 20500673

Servicing: Ford, Lancer Boss, Various Agriculture Vehicles

B+ M8, **30h** M5, **Total length** 272.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 21.00 mm

10

110462 Starter 12 **V,** 2.8 **kW**

Replacing: 66925170, 20500552, 20500212

Servicing: Buhrer, Ford, Matbro, New Holland

B+ M8, **Total length** 319.45,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 20.00 mm

10

110464 Starter 12 **V,** 2.1 **kW**

Replacing: 20500155

Servicing: Carbodies, DAF, Lancer Boss, Various Agriculture Vehicles

B+ M8, **Total length** 336.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

9

110517 Starter 24 **V,** 3.2 **kW**

Replacing: 20500839

Servicing: Benfra, Fiat-Allis, Iveco

B+ M10, **Total length** 295.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**

Replacing: 858320

Servicing: Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 27.00 mm

9

110523 Starter 24 **V,** 4.8 **kW**

Replacing: 20500923

Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader

B+ M10, **Gear type** DD,
Mounting holes 3 (0)

A: 89.00 **B:** 27.50 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: 20500847

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

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9

110536 Starter 12 **V,** 2.7 **kW**

Replacing: 20500762

Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz

B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.00 mm

11

110545 Starter 12 **V,** 3.0 **kW**

Replacing: 20500147

Servicing: Balkancar, Chang Feng (Liebao), Dronningborg, Sampo-Rosenlew, Ursus, Valtra, Zetor

B+ M10, **Total length** 335.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

9

110552 Starter 12 **V,** 1.2 **kW**

Replacing: PBNS3015, 20513015

Servicing: Ford, JCB, John Deere, Volvo Penta

B+ M8, **Total length** 194.00,
Gear type GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 20.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 66925090

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12

110604 Starter 12 **V,** 2.8 **kW**

Replacing: 35259680, 35259650, 35258990, 35258880

Servicing: Allis Chalmers, Carrier Transicold, Perkins

B+ M10, **Total length** 340.00,
Gear type GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 22MT, 27MT, 28MT.

A: 88.75 **B:** 46.45 mm

10

110615 Starter 12 **V,** 2.8 **kW**

Replacing: 66925089, 20500968, 20500195

Servicing: Agco Allis, Agco White, Allis Chalmers, Atlas Copco, JCB, Massey Ferguson, Perkins

B+ M8, **Total length** 312.25,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 28.60 mm

13

110627 Starter 12 **V,** 2.5 **kW**

Replacing: PBNS3102, PBNS3101, OMS124, 35259620

Servicing: Case, Ford

B+ M8, **Total length** 291.00,
Gear type GR, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.60 mm

10

110817 Starter 12 **V,** 2.1 **kW**

Replacing: 20500120

Servicing: DAF, Various Agriculture Vehicles

B+ M8, **Total length** 315.00,
Gear type DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 25.00 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: 20500157

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00,
Gear type DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

12

110999 Starter 24 **V**

Replacing: MFY6601K, MFY6601I, MFY6401L, MFY6401K, MFY6201K, MFY6201I

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50,
Gear type DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

11

111000 Starter 24 **V**

Replacing: 855694

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

9

111021 Starter 12 **V,** 1.4 **kW**

Replacing: PBNS3059, 20513059

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 209.50, **Gear type** GR, **Mounting holes** 2 (0)

A: 66.00 **B:** 18.00 mm

10

111024 Starter 12 **V,** 3.6 **kW**

Replacing: PBNS1608

Servicing: Clark, Lister, Massey Ferguson, Perkins

B+ M8, **Total length** 370.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

A: 89.00 **B:** 47.45 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: OMS125, 35259710, 35259690, 35259130

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 35258810

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

9,11,12

111300 Starter 12 **V,** 1.4 **kW**

Replacing: PBNS3016, 20513016

Servicing: Bobcat, Ford, Volvo Penta

B+ M8, **Total length** 214.55, **Gear type** GR, **Mounting holes** 2 (0)

A: 74.00 **B:** 21.00 mm

10

111346 Starter 12 **V,** 2.8 **kW**

Replacing: 20500969

Servicing: Massey Ferguson

B+ M8, **Total length** 314.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

10

111573 Starter 12 **V,** 2.8 **kW**

Replacing: 20500106

Servicing: Avia, JCB, TCM, Various Agriculture Vehicles

B+ M8, **Total length** 311.00, **Gear type** DD/GR, **Mounting holes** 3 (0)

A: 101.00 **B:** 25.50 mm

10

111574 Starter 12 **V,** 2.8 **kW**

Replacing: 20500706

Servicing: ERF, LDV International, Various Agriculture Vehicles

B+ M8, **Total length** 340.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.75 **B:** 47.15 mm

13

111703 Starter 12 **V,** 2.0 **kW**

Replacing: PBNS3022, 20513022

Servicing: Ford, Perkins

B+ M8, **Total length** 250.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 73.80 **B:** 19.50 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: PBNS3058, 20513058

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

111855 Starter 12 **V,** 2.2 **kW**

Replacing: 20513069

Servicing: KHD, Various Agriculture Vehicles

B+ M8, **Total length** 267.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 23.00 mm

9

111885 Starter 12 **V,** 3.1 **kW**

Replacing: PBNS3045, 20513045

Servicing: Case

B+ M10, **Total length** 332.50,
Gear type DD, **Mounting holes** 3 (0)
Oil and waterproof.

A: 89.00 **B:** 48.00 mm

11

112041 Starter 12 **V,** 2.2 **kW**

Replacing: PBNS3051, 20513051

Servicing: KHD, Various Agriculture Vehicles

B+ M10, **Total length** 293.00,
Gear type DD, **Mounting holes** 3 (0)

A: 82.50 **B:** 21.00 mm

9

112249 Starter 12 **V,** 2.7 **kW**

Replacing: MEO6005

Servicing: Mercedes-Benz, Various Agriculture Vehicles

B+ M10, **Total length** 295.00,
Gear type GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 21.50 mm

10

114388 Starter 12 **V,** 3.2 **kW**

Replacing: 860715

Servicing: Hattat Tarim, JCB, Perkins

B+ M8, **B-** M8, **30h** M10,
Total length 296.50, **Gear type** DD,
Mounting holes 3 (0)
Iskra version.

A: 89.00 **B:** 32.50 mm

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9

110206 Starter 24 **V,** 5.4 **kW**

Replacing: 19024109, 19024025, 19024010

Servicing: Claas, Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Neoplan, Setra

B+ M12, **B-** M10, **Total length** 390.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.50 mm

11

110207 Starter 24 **V,** 5.4 **kW**

Replacing: 19024553, 19024013

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

11

110208 Starter 24 **V,** 5.4 **kW**

Replacing: 19024576, 19024555, 19024099, 19024016, 19024015

Servicing: Fiat-Allis, Mercedes-Benz, Steyr, Volvo

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed, Waterproof

A: 89.00 **B:** 48.50 mm

9

110210 Starter 24 **V,** 6.6 **kW**

Replacing: 19024051

Servicing: Fiat-Allis, Kässbohrer, MAN, Mercedes-Benz, Mitsubishi, Neoplan, Ssangyong

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 48.50 mm

11

110213 Starter 24 **V,** 6.6 **kW**

Replacing: 19024053

Servicing: Fiat, Iveco

B+ M12, **B-** M10, **Total length** 407.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 115.00 **B:** 20.80 mm

11

110347 Starter 24 **V,** 7.5 **kW**

Replacing: 1993840, 1990284, 1990276, 1990274, 1990273, 1990272, 1990271, 1990270, 1990269, 1990268, 1990266

Servicing: Caterpillar, Clark, Fiat-Allis, Iveco

B+ M12, **15a** M4, **Total length** 522.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 50MT.

A: 92.00 **B:** 47.00 mm

12

110436 Starter 12 **V**

Replacing: 323-855, 323-830, 323-829, 1993983, 1993961, 1993943, 1993942, 1993939, 1993938, 1993937, 1993935

Servicing: Caterpillar, Clark, Mack, Various

B+ 1/2" UNC, **Total length** 506.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

9

110468 Starter 12 **V**

Replacing: 1998267, 1998266, 1109091, 1109090, 1108197, 1107378, 1107377

Servicing: Bobcat, Clark, Hyster, Various Agriculture Vehicles

B+ 3/8" UNC, **15a** 8-32 UNC, **Total length** 307.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.65 **B:** 20.50 mm

9

110469 Starter 12 **V**

Replacing: 1998281, 1998270, 1998269, 1109093, 1108421, 1107203, 10455355, 10455340, 10455304

Servicing: Bobcat, Various Agriculture Vehicles

B+ M10, **15a** M5, **Total length** 306.70, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.60 **B:** 43.35 mm

9

110491 Starter 12 **V,** 1.4 **kW**

Replacing: 1998274, 1109098, 1108505, 1107209

Servicing: Allis Chalmers, Hyster

B+ M10, **Total length** 305.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.00 **B:** 45.00 mm

9

110517 Starter 24 **V,** 3.2 **kW**
Replacing: 19024242
Servicing: Benfra, Fiat-Allis, Iveco
B+ M10, **Total length** 295.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 25.00 mm

9

110518 Starter 24 **V,** 4.0 **kW**
Replacing: 19024256, 19024232
Servicing: Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 27.00 mm

9

110520 Starter 24 **V,** 4.0 **kW**
Replacing: 19024201
Servicing: Cummins, Fiat-Allis
B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 47.50 mm

9

110521 Starter 24 **V,** 4.0 **kW**
Replacing: 19024273, 19024231
Servicing: Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 343.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 27.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**
Replacing: 19024253, 19024202
Servicing: Fiat, Fiat-Allis, Iveco, New Holland
B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 26.50 mm

9

110523 Starter 24 **V,** 4.8 **kW**
Replacing: 19024813, 19024234, 19024226
Servicing: ABG, Ahlmann, Case, Compair, Iveco, KHD, Payloader
B+ M10, **Gear type** DD,
Mounting holes 3 (0)
A: 89.00 **B:** 27.50 mm

9

110525 Starter 12 **V,** 3.0 **kW**
Replacing: 19024223, 19024205
Servicing: Claas, Mercedes-Benz
B+ M10, **Total length** 341.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 48.00 mm

9,10

110529 Starter 12 **V,** 3.0 **kW**
Replacing: 19024272, 19024230
Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco
B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)
A: 110.00 **B:** 30.00 mm

11

110530 Starter 12 **V,** 3.0 **kW**
Replacing: 19024238
Servicing: Huerlimann, Lamborghini, Same
B+ M10, **Total length** 342.00,
Gear type DD, **Mounting holes** 2 (0)
A: 82.00 **B:** 22.00 mm

9

110531 Starter 24 **V,** 6.6 **kW**
Replacing: 19024071
Servicing: Fiat-Allis, Gmeinder, KHD, Mercedes-Benz
B+ M12, **B-** M10, **Total length** 405.00,
Gear type DD, **Mounting holes** 0 (0)
A: 56.00 **B:** 43.00 mm

11

110534 Starter 24 **V,** 5.4 **kW**
Replacing: 19024030
Servicing: Fiat, Ford, Iveco, Various Agriculture Vehicles
B+ M10, **Total length** 390.00,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 47.00 mm

9

110536 Starter 12 **V,** 2.7 **kW**
Replacing: 19024824, 19024252, 19024235, 19024224
Servicing: ABG, Atlas Copco, Bobcat, Bomag, Bosch, Case, Claas, Deutz-Fahr, Fendt, Irmer, Iveco, KHD, Kramer, Mercedes-Benz
B+ M10, **Total length** 287.50,
Gear type DD, **Mounting holes** 3 (0)
A: 89.00 **B:** 28.00 mm

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9

110537 Starter 12 **V,** 3.6 **kW**

Replacing: 19024562, 19024561, 19024000

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

9

110539 Starter 12 **V,** 3.6 **kW**

Replacing: 19024008

Servicing: Claas, Mercedes-Benz, New Holland

B+ M10, **B-** M10, **Total length** 384.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 47.00 mm

11

110551 Starter 12 **V,** 3.0 **kW**

Replacing: 19024815

Servicing: Lamborghini, Same, Ursus, Zetor

B+ M10, **Total length** 326.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: 19024817

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

12

110604 Starter 12 **V,** 2.8 **kW**

Replacing: 1998409, 1998394, 1998378, 1998338, 1998334, 1113280, 1113279, 1109272, 1107587, 1107567, 10465048

Servicing: Allis Chalmers, Carrier Transicold, Perkins

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 22MT, 27MT, 28MT.

A: 88.75 **B:** 46.45 mm

9

110814 Starter 12 **V,** 2.7 **kW**

Replacing: 19024255

Servicing: Alfa Romeo, Benfra, Fiat, Iveco, Lancia, Massey Ferguson, Renault

B+ M10, **Total length** 296.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.80 mm

10

110819 Starter 12 **V,** 2.8 **kW**

Replacing: 19024821

Servicing: Eicher, Massey Ferguson, Perkins

B+ M8, **Total length** 311.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 22.25 mm

12

110999 Starter 24 **V**

Replacing: 1993945, 1993833, 1993815, 1993814, 1993808, 1993804, 1993797, 1993796, 1993704, 1990809, 1990497

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

11

111000 Starter 24 **V**

Replacing: 199903, 1993924, 1993842, 1993810, 1993805, 1993802, 1993700, 1990838, 1990493, 1990491, 1990485

Servicing: Caterpillar, Clark, Cummins, Fiat-Allis

B+ M12, **Total length** 497.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 47.25 mm

9,11

111001 Starter 12 **V,** 3.0 **kW**

Replacing: 19024250

Servicing: Lamborghini, Same, Steyr

B+ M10, **Total length** 340.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 82.00 **B:** 20.60 mm

10

111041 Starter 12 **V,** 2.8 **kW**

Replacing: 1998481, 1998387, 1998383, 1998336, 1113278, 1113275, 1109550, 1107580, 10465406, 10465046

Servicing: Fiat-Allis, Hyster, Perkins

B+ M10, **Total length** 338.50, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 22MT, 27MT, 28MT.

A: 88.85 **B:** 46.25 mm

10

111049 Starter 12 **V**

Replacing: 1998576

Servicing: Hyster, Various, Various Agriculture Vehicles

B+ M8, **15a** M5, **Total length** 304.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 10MT.

A: 88.90 **B:** 46.25 mm

9

111217 Starter 12 **V,** 3.0 **kW**

Replacing: 19024566, 19024565

Servicing: Volvo, Volvo BM

B+ M10, **B-** M10, **Total length** 383.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

10

111221 Starter 12 **V,** 2.5 **kW**

Replacing: 1113271, 1109251, 1107871, 1107863, 1107599, 1107577

Servicing: Bobcat, Clark, John Deere

B+ M10, **15a** M5, **Total length** 322.00, **Gear type** GR, **Mounting holes** 2 (0)

Replacing: 28MT.

A: 82.40 **B:** 33.00 mm

10

111224 Starter 12 **V,** 4.0 **kW**

Replacing: 1993988, 1993894, 1993886, 1993881, 1993799, 1993790, 1993769, 1993762, 1993754, 1993712, 1993705

Servicing: John Deere

B+ M10, **Total length** 402.50, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 88.90 **B:** 47.60 mm

9

111249 Starter 24 **V,** 5.4 **kW**

Replacing: 19024554, 19024027

B+ M10, **Total length** 381.80, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 3 (0), Waterproof

A: 89.00 **B:** 48.25 mm

9

111259 Starter 12 **V,** 1.3 **kW**

Replacing: 1998305, 1109568, 1109430, 1108511

Servicing: Case

B+ M10, **15a** M5, **Total length** 305.00, **Gear type** DD, **Mounting holes** 3 (0)

Replacing: 10MT.

A: 88.70 **B:** 19.00 mm

9

111260 Starter 12 **V,** 1.4/1.6 **kW**

Replacing: 1998313, 1109446, 1107681, 1107655

Servicing: Case

B+ M10, **15a** M4, **Total length** 277.50, **Gear type** DD, **Mounting holes** 2 (0)

Replacing: 10MT.

A: 82.35 **B:** 17.75 mm

9

111752 Starter 12 **V,** 2.7 **kW**

Replacing: 19024257

Servicing: Case, Payloader

B+ M10, **Total length** 342.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 47.00 mm

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10

111760 Starter 24 **V,** 4.5 **kW**

Replacing: 1998488, 1113594, 1113294, 1113291, 1113277, 10479623, 10479622, 10479616, 10461486, 10461469

Servicing: Case, Cummins

B+ M10, **15a** M5, **Total length** 339.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 7MT, 28MT.

A: 89.00 **B:** 45.00 mm

11

112089 Starter 12 **V**

Replacing: 323-871, 1993977, 1993856, 1993816, 1993813, 1993807, 1993803, 1990495, 1990490, 1990483, 1990478

Servicing: Case, Caterpillar, Cummins, Ford, Freightliner, International, Kenworth, Mack, New Holland, Perkins, Volvo

B+ M12, **B-** M12, **15a** M5, **Total length** 500.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.00 mm

10

112169 Starter 24 **V,** 4.5 **kW**

Replacing: 1993954, 1993903, 10479108

Servicing: Case

B+ 3/8" UNF, **Total length** 401.00, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 46.00 mm

12

112243 Starter 24 **V**

Replacing: 1993910, 1993909, 1993902, 1993901, 1993732, 1993729, 1993707, 1990332, 1990330, 1113541, 1113536

Servicing: Case, Clark

B+ 1/2" UNC, **15a** 1/4" UNC, **Total length** 401.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 92.00 **B:** 48.00 mm

10

112256 Starter 24 **V,** 7.0 **kW**

Replacing: 1993986, 1993741, 1993701, 1990499

Servicing: Case, Lister

B+ 1/2" UNC, **15a** M5, **30h** 1/4" UNC, **Total length** 402.00, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 47.45 mm

10

112268 Starter 12 **V,** 2.8 **kW**

Replacing: 1998484, 1998468, 1998373, 1998357, 1998350, 1998340, 1113597, 1113290, 1113274, 1107540, 10479607

Servicing: Allis Chalmers, Hyster, Massey Ferguson, New Holland

B+ M10, **Total length** 340.00, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

9

112546 Starter 12 **V,** 0.6 **kW**

Replacing: 10455516, 10455513

Servicing: Cub Cadet, John Deere, Kohler

B+ M8, **Total length** 205.60, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.00 **B:** 8.00 mm

10

112660 Starter 12 **V,** 2.8 **kW**

Replacing: 1107867, 1107862

Servicing: Case

B+ M10, **Total length** 333.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 88.80 **B:** 48.00 mm

10

112668 Starter 12 **V,** 2.5 **kW**

Replacing: 1113284, 1113248, 10461483

Servicing: Hough, Komatsu

B+ M10, **15a** M5, **Total length** 338.00, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0)

Replacing: 28MT.

A: 89.00 **B:** 46.00 mm

10

113007 Starter 24 **V,** 4.0 **kW**

Replacing: 1998519, 1113272, 10461444

Servicing: John Deere

B+ M10, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 33.00 mm

10

113125 Starter 12 **V**

Replacing: 323-840, 1993854, 1993767, 1990347, 10461011, 10461006

Servicing: Ford, New Holland

B+ 1/2" UNC, **Total length** 401.50, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT, 41MT.

A: 92.00 **B:** 48.25 mm

10

113429 Starter 12 **V,** 4.2 **kW**

Replacing: 10465537, 10461645

Servicing: Case, Cummins

B+ M10, **Total length** 326.00, **Gear type** GR, **Mounting holes** 3 (0)

A: 91.90 **B:** 47.50 mm

10

113452 Starter 12 **V,** 2.5 **kW**

Replacing: 10479617, 10461466

Servicing: Agco White

B+ M10, **15a** M5, **Total length** 338.50, **Clutch type** Wet, **Gear type** GR, **Mounting holes** 3 (0), Oil sealed

Replacing: 28MT.

A: 88.80 **B:** 45.00 mm

12

113695 Starter 24 **V,** 6.0 **kW**

Replacing: 1993918, 1993831, 10478960, 10478811, 10461405, 10461402

Servicing: Caterpillar

B+ M12, **Total length** 433.50, **Gear type** DD, **Mounting holes** 3 (0), Oil sealed

Replacing: 37MT.

A: 89.00 **B:** 47.00 mm

13

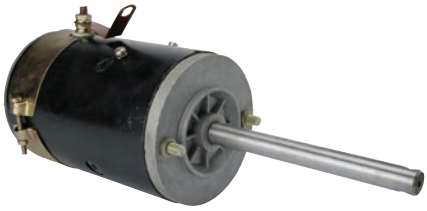
113725 Starter 12 **V,** 2.5 **kW**

Replacing: 10465540

Servicing: Case

B+ M10, **Total length** 300.00, **Gear type** DD, **Mounting holes** 2 (0)

A: 88.60 **B:** 49.00 mm



113728 Starter 6 **V**

Replacing: 1831810

Servicing: Ford

Only for US market.

9

113850 Starter 24 **V,** 5.4 **kW**

Replacing: 19024101

Servicing: Volvo BM

B+ M10, **B-** M10, **Total length** 387.00, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

A: 89.00 **B:** 48.00 mm

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9,10

110529 Starter 12 **V,** 3.0 **kW**

Replacing: DM2138

Servicing: Agrifull, Benfra, Fiat, Fiat-Allis, Iveco

B+ M10, **Total length** 340.50,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 30.00 mm

9

110640 Starter 12 **V,** 3.0 **kW**

Replacing: DM2134, DM2130, DM2120, 2130

Servicing: Allis Chalmers, Fiat, Fiat-Allis, Long

B+ M10, **Total length** 310.00,
Gear type DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.00 mm

9

111645 Starter 12 **V,** 0.4 **kW**

Replacing: MO101/10, 3M0110/10

Servicing: Alfa Romeo, Fiat, Lancia, Lombardini, Same

B+ M6, **Total length** 182.00,
Gear type DD, **Mounting holes** 2 (0)
A: 62.00 **B:** 27.50 mm

10

111646 Starter 12 **V,** 0.2 **kW**

Replacing: PN001/3, 3PN0001/3

Servicing: Lombardini, Various Agriculture Vehicles

B+ M6, **Total length** 181.00,
Gear type DD, **Mounting holes** 2 (0)
B: 13.50 mm

10

112339 Starter 12 **V,** 0.3 **kW**

Replacing: PN0001, 3PN0001

B+ M6, **Total length** 180.00,
Gear type DD, **Mounting holes** 2 (0)
B: 18.00 mm

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11

112313 Starter 12 **V,** 0.5 **kW**

Replacing: 33835

Servicing: Massey Ferguson, Tecumseh

B+ M6, **Total length** 190.00,
Gear type DD, **Mounting holes** 3 (0)

B: 29.00 mm

16

112564 Starter 12 **V**

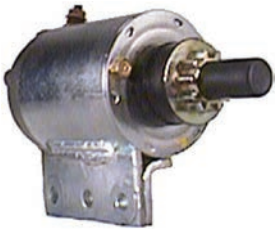
Replacing: 35765A, 35765, 32468B, 32468A, 32468

Servicing: John Deere, Tecumseh

B+ M6, **Total length** 166.50,
Gear type DD, **Mounting holes** 4 (0)

A: 59.00 **B:** 33.00 mm

10



110510 Starter 12 **V,** 0.5 **kW**

Replacing: SMH12A4, SMH12A202, SMH12A201, SMH12A2, SMH12A102, SME12A8, SME12A11, SM56661, SM50497, SM16353

Servicing: John Deere

B+ M6, **Total length** 182.55, **Gear type** DD, **Mounting holes** 3 (0)

B: 39.00 mm

9

110949 Starter 12 **V,** 0.6 **kW**

Replacing: SM56662, SM18190, SM17705, 5666240MO30SM, 5666240-MO30SM, 5666220MO30SM, 5213140MO30SM

Servicing: Bobcat, Kohler, Various Agriculture Vehicles

B+ M6, **Total length** 215.25, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 0 (0)

A: 63.40 **B:** 45.80 mm

12

110999 Starter 24 **V**

Replacing: 9G4338

Servicing: Case, Caterpillar, Fiat-Allis, Peterbilt Trucks, Various, Volvo

B+ M12, **15a** M5, **Total length** 499.50, **Gear type** DD, **Mounting holes** 3 (0), Insulated return, Oil sealed

Replacing: 42MT.

A: 92.00 **B:** 46.50 mm

10

111012 Starter 12 **V,** 0.5 **kW**

Replacing: SM56666, SM47330, 5666640MO30SM, 5666640-MO30SM, 5666620MO30SM, 4733040MO30SM, 4733040-MO30SM

Servicing: Kohler, Massey Ferguson

B+ M8, **Total length** 201.00, **Gear type** DD, **Mounting holes** 0 (0)

B: 39.00 mm

9

111701 Starter 12 **V,** 0.8 **kW**

Replacing: SMH12C1, SM56659, SM15745, 5666740MO30SM, 5666740, 5665940MO30SM, 5665940-M030SM, 5665940

Servicing: Various Agriculture Vehicles

B+ M8, **Total length** 251.25, **Gear type** DD, **Mounting holes** 4 (3)

A: 69.60 **B:** 56.30 mm

13

112150 Starter 12 **V**

Replacing: SM56670, SM52784, SM52397, 6734620MO30SM, 5667040MO30SM, 5667040-M030SM, 5278440MO30SM

Servicing: Cub Cadet, Kohler

B+ 1/4" UNC, **Total length** 202.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 17.00 mm

9

112546 Starter 12 **V,** 0.6 **kW**

Replacing: 5174740

Servicing: Cub Cadet, John Deere, Kohler

B+ M8, **Total length** 205.60, **Clutch type** Wet, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.00 **B:** 8.00 mm

9

112568 Starter 12 **V**

Replacing: SM56663, SM18191, 5666340MO30SM, 5666340-MO30SM, 5666320MO30SM, 1819140M030SM, 1819140-MO30SM

Servicing: John Deere, Kohler

B+ 1/4" UNC, **Total length** 230.00, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 0 (0)

B: 46.00 mm

9

112831 Starter 12 **V,** 0.6 **kW**

Replacing: SM56664, SM52132, SM21349, 56666420MO30SM, 5666440MO30SM, 5666440-MO30SM, 5666420MO03SM

Servicing: Cub Cadet, Kohler

B+ M6, **Total length** 246.50, **Gear type** DD, **Mounting holes** 2 (0)

A: 63.50 **B:** 41.40 mm

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10

113015 Starter 12 **V**

Replacing: SM43790, SM43672, 4379040MO30SM, 4379040-M030SM, 4367240MO30SM, 4367240-M030SM

Servicing: Cub Cadet, John Deere, New Holland, Onan, Toro

B+ M6, **Total length** 228.75, **Drive type** Bronze, **Gear type** DD, **Mounting holes** 2 (0)

B: 27.40 mm

10

113017 Starter 12 **V**

Replacing: 6727040MO30SM, 5667140MO30SM, 5667140-M030SM

Servicing: John Deere

B+ M6, **Total length** 181.00, **Gear type** DD, **Mounting holes** 2 (0)

B: 30.00 mm

10

114075 Starter 12 **V**

Replacing: 4733040M030SM, 32-098-04, 32-098-03, 32-098-01

Servicing: Cub Cadet, New Holland

B+ M6, **Total length** 221.00, **Gear type** DD

B: 18.00 mm

9

110245 Starter 12 **V,** 1.0 **kW**

Replacing: TM000A07101, MG120559, MG117559, M40237

Servicing: Kubota, Various Agriculture Vehicles

B+ M8, **Total length** 196.00, **Gear type** GR, **Mounting holes** 2 (0)

A: 82.50 **B:** 26.00 mm

10

110439 Starter 12 **V,** 2.0 **kW**

Replacing: D11E84, D11E155, D11E141

Servicing: Buhrer, Compair, Eicher, Massey Ferguson

B+ M8, **Total length** 309.50, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 25.00 mm

9

110522 Starter 12 **V,** 3.0 **kW**

Replacing: 455669

Servicing: Fiat, Fiat-Allis, Iveco, New Holland

B+ M10, **Total length** 341.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 110.00 **B:** 26.50 mm

10

110565 Starter 12 **V,** 2.8 **kW**

Replacing: D11E15H, D11E154, D11E137

Servicing: Eicher, Massey Ferguson

B+ M8, **Total length** 313.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 29.50 mm

11

110818 Starter 12 **V,** 2.1 **kW**

Replacing: D11E59, D11E35

Servicing: Case, Fiat-Allis, Massey Ferguson

B+ M8, **15a** 6.30, **Total length** 309.00, **Gear type** DD, **Mounting holes** 3 (0)

A: 92.00 **B:** 24.60 mm

9

111015 Starter 12 **V,** 1.1 **kW**

Replacing: D6RA52, D6RA22

Servicing: Lombardini, Various Agriculture Vehicles

B+ M8, **Total length** 216.25, **Gear type** GR, **Mounting holes** 2 (0)

A: 76.00 **B:** 15.00 mm

9

111332 Starter 12 **V,** 2.7 **kW**

Replacing: D11E158, D11E131, D11E120

Servicing: Fendt, Renault Agriculture

B+ M8, **Total length** 293.55, **Gear type** DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 21.00 mm

10

113269 Starter 12 **V,** 3.0 **kW**

Replacing: D11E146, D11E118

Servicing: Atlas Copco, Barber Greene, Benford, Case, Daewoo, Matbro, Perkins, Thwaites

B+ M10, **Total length** 234.50, **Gear type** GR, **Mounting holes** 3 (0)

A: 88.80 **B:** 31.50 mm

10

113478 Starter 12 **V,** 2.8 **kW**

Replacing: D7R14, 187031

Servicing: Atlas Copco, John Deere

B+ M10, **15a** M5, **Total length** 303.50, **Gear type** DD, **Mounting holes** 2 (0), Oil sealed

A: 82.00 **B:** 35.00 mm

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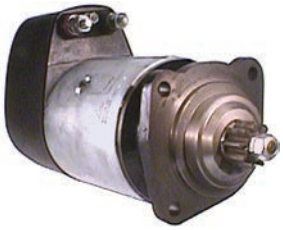
110511 Starter 24 **V,** 4.0 **kW**

Replacing: AZK5539, 11.139.156

Servicing: Fortschritt, IFA

B+ M10, **Total length** 378.50,
Gear type DD, **Mounting holes** 0 (0)

A: 75.00 **B:** 37.00 mm



110512 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS163, BNG4/24CR231, BNG4/24, 0001416054, 0001416047, 0001416024, 0001416022, 0001415002

Servicing: Ahlmann, Irmer, Mercedes-Benz, Various Agriculture Vehicles

B+ M10, **Total length** 384.00,
Gear type DD, **Mounting holes** 3 (0)

A: 89.00 **B:** 48.00 mm

110601 Starter 24 **V,** 5.4 **kW**

Replacing: BNG4/24CRS165SR, BNG4/24CR165SR, 0001416013, 0001415010, 0001414017, 0001410030, 0001410029

Servicing: Mercedes-Benz, Steyr

B+ M10, **Total length** 384.25,
Gear type DD, **Mounting holes** 3 (0)

A: 88.85 **B:** 47.50 mm

111350 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3124, AZAJ3124, 11.130.436

Servicing: Belarus

B+ M10, **Total length** 337.45,
Gear type DD, **Mounting holes** 3 (0)

A: 99.70 **B:** 32.50 mm

113431 Starter 12 **V,** 3.0 **kW**

Replacing: AZJ3229, 11.130.685

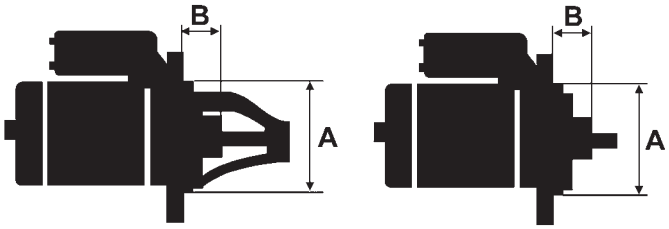
Servicing: Belarus

B+ M10, **Total length** 338.00,
Gear type DD, **Mounting holes** 3 (0)

A: 101.00 **B:** 30.00 mm

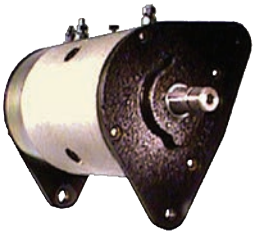
Dynastarters

A: Mounting flange, B: Drive distance



Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification



110060 Dynastarter 12 **V,** 11 **A**, 0.9 **kW**

Replacing: 0010300100, 0010300006, 0010300004, 0010300002, 19025600

Servicing: Albin, BCS, Goldoni, Lombardini

OD 106.00, **Length** 236.50, **Pulley** w/o

Regulator: Cargo 235781. Solenoid: Cargo 130336.

110061# Dynastarter 12 **V,** 11 **A**, 0.9 **kW**

Replacing: 0010350102, 0010350005, 0010300101, 0010300003, 0010300001, 19025602

Servicing: BCS, Ferrari

OD 106.00, **Length** 237.00, **Pulley** w/o

Regulator: Cargo 235781. Solenoid: Cargo 130336.

113142 Dynastarter 12 **V,** 15 **A**

Replacing: 1101998, 1101986, 1101951

Servicing: Cub Cadet

OD 115.50, **Length** 262.00, **Pulley** w/o

Regulator: Cargo 233623, 233624. Solenoid: Cargo 132939. Nut: Cargo 132346.

113143 Dynastarter 12 **V,** 25 **A**

Replacing: 1101432

Servicing: Case, Cub Cadet, Jacobsen, Massey Ferguson, Roper, Simplicity

OD 115.00, **Length** 265.00, **Pulley** w/o

Regulator: Cargo 233622. Solenoid: Cargo 132939. Nut: Cargo 132346.

113145 Dynastarter 12 **V,** 15 **A**, 0.75 **kW**

Replacing: GSB107-06F, GSB107-06E, GSB107-06

Servicing: John Deere

OD 114.10, **Length** 241.50, **Pulley** w/o

Regulator: Cargo 233625.

113598 Dynastarter 12 **V,** 15 **A**

Replacing: 1101997, 1101996, 1101967, 1101692, 1101691

Servicing: Cub Cadet

OD 118.00, **Length** 265.00, **Pulley** w/o

Regulator: Cargo 233622. Solenoid: Cargo 132939. Nut: Cargo 132346.

Alternator parts

Edition 2013/2014

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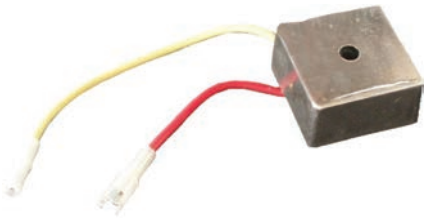
Regulators

234167# Regulator/Rectifier
Replacing: 493219
Dist. mount. holes 66.35



234170 Regulator/Rectifier
Replacing: 691188, 491546

234171# Regulator/Rectifier
Replacing: 691185, 397809

Regulators/Rectifiers

230149 Regulator/Rectifier Assy
Replacing: 394890, 393374
10-16 **Diode A**, **OD** 82.00, **Capacitor** w/o

Regulators

233624 Regulator

Replacing: D646, 1119576, 1118999, 1118997, 1118779, 1118381

Servicing: 10DN

Voltage etting 14.2,
Terminal type L-B+-F(A),
Dist. mount. holes 97.85
Pos. or neg. ground. A-circuit.

Regulators

130032 Regulator

Replacing: 0190350079, 0190350069, 0190350059, 0190350054, 0190350039, 0190350038, 0190350005, 0190309038

Servicing: 0101302022, 0101302023, 0101302027, 0101302067, 0101302068, 0101302069, 0101302070, 0101302075, 0101302076, 0101302085

360 **W, D+ type** Screw,
Terminal type D+ - DF-B+,
Dist. mount. holes 125.00

130037 Regulator

Replacing: 0190118005, 0190117009, 0190117004, 0190103008, 0190103002, 0190101012, 0190101011, 0190101007

Servicing: 0101402060, 0101402061, 0101402062, 0101402065, 0101402088, 0101402089, 0101402099, LJ/GK300/24/1300A

450 **W, D+ type** Screw,
Terminal type D+ - DF-B+,
Dist. mount. holes 125.00

235781 Regulator

Replacing: F026T02200, 9190215028, 9120215028, 0190350045, 0190350009, 0190309032, 0190215037, 0190215029

Servicing: 0010300100, 0101209016, 0101209033, 0101209039, LJ/GEH90/12/1800F, LJ/GEH90/12/2300R

130 **W, D+ type** Screw,
Dist. mount. holes 95.00

235782 Regulator

Replacing: F026T02201, 0190350046, 0190309015, 0190309012, 0190309003, 0190215036, 0190215031, 0190215030

Servicing: 0101302004, 0101302035, 0101302038, 0101302039, 0101302044, 0101353005, 0101353037, 0101354023, 0101355016, 0101355042

192 **W, D+ type** Screw,
Dist. mount. holes 95.00

235783 Regulator

Replacing: F026T02202, 9190083000, 9190082001, 0190309037, 0190309029, 0190309028, 0190309016, 0190309004

Servicing: 0101206009, 0101206011, 0101206012, 0101206043, 0101207005, LJ/GEG160/12/2500

240 **W, D+ type** Screw,
Dist. mount. holes 95.00

235784 Regulator

Replacing: F026T02203, 0190350055, 0190309018

300 **W, Dist. mount. holes** 95.00

235785 Regulator

Replacing: F026T02204

360 **W, Dist. mount. holes** 94.00

235786 Regulator

Replacing: F026T02205, 0190350063, 0190350041, 0190350040, 0190350034, 0190350015, 0190309040, 0190309020

Servicing: 0101206063, 0101206064, 0101206116, 0101206117, 0101302074, 0101302083, 0101302107, 0101302108, 0101356005, 0101356013

456 **W, D+ type** Screw,
Dist. mount. holes 95.00

Regulators

130033 Regulator
Replacing: NCB136, NCB134, 37592, 37577, 37503, 37432
D+ type Spade,
Terminal type E-D-WL-F-B,
Dist. mount. holes 119.00

130038 Regulator
Replacing: NCB114, NCB113, 37399, 37396, 37277, 37274, 37258, 37230, 37229, 37198, 37197
Dist. mount. holes 94.00

130039 Regulator
Replacing: NCB112, 37395, 37228
Dist. mount. holes 108.00

130040 Regulator
Replacing: NCB119, 37407, 37403, 37397, 37388, 37327
D+ type Spade, **Dist. mount. holes** 111.00

130041 Regulator
Replacing: NCB120, NCB118, 37408, 37405, 37398, 37365
D+ type Spade, **Dist. mount. holes** 96.50

130505 Regulator
Replacing: D663, D6353, D635, D634, D632, D631, 1119519, 1119515, 1119512, 1119507, 1119506
Servicing: 10DN, 20DN
Voltage etting 14.5,
Terminal type F-S-B+-L,
Dist. mount. holes 91.00

130883 Regulator
Replacing: NCB132, NCB130, 37573, 37572, 37570, 37563A, 37563, 37542, 37451, 37362, 37344
Dist. mount. holes 115.85

130884 Regulator
Replacing: NCB131, NCB121, 37574A, 37574, 37568, 37543, 37529, 37342
Dist. mount. holes 113.60

233624 Regulator
Replacing: D646, 1119576, 1118999, 1118997, 1118779, 1118381
Servicing: 10DN
Voltage etting 14.2,
Terminal type L-B+-F(A),
Dist. mount. holes 97.85
Pos. or neg. ground. A-circuit.

235781 Regulator
Replacing: F026T02200, 9190215028, 9120215028, 0190350045, 0190350009, 0190309032, 0190215037, 0190215029
Servicing: 0010300100, 0101209016, 0101209033, 0101209039, LJ/GEH90/12/1800F, LJ/GEH90/12/2300R
130 **W, D+ type** Screw,
Dist. mount. holes 95.00

235784 Regulator
Replacing: F026T02203, 0190350055, 0190309018
300 **W, Dist. mount. holes** 95.00

235785 Regulator
Replacing: F026T02204
360 **W, Dist. mount. holes** 94.00

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else states

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Starter parts

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Clutches

234211 Clutch
Replacing: 692024, 398003, 391135
Servicing: 393499, 394805, 394807, 394808, 394943, 396306, 399169, 399928, 490420, 491308, 494148, 494198, 494990, 495100, 497401

Drives

137278 Drive Kit
Replacing: 391461
Servicing: 390838, 391178, 392749, 393499, 394807, 394943
Gear: Cargo 139395.

139417 Drive Kit
Replacing: 696539, 495877, 490467, 393254
Servicing: 394808, 396306, 399169, 490420, 494148, 494198, 494990, 495100, 498148
ID 16.20, **OD** 40.00, **Total length** 11.55, **Splines** 3
Gear: Cargo 139395.

139418 Drive Kit
Replacing: 696540, 495878, 490771, 490421, 396865, 3886
Servicing: 394805, 394808, 396306, 399169, 399928, 490420, 494148, 494198, 494990, 495100, 498148
Gear: Cargo 139395.

230399 Drive Kit
Replacing: 491836
Servicing: 490753, 495104
OD 40.00, **Total length** 19.50

230400 Drive Kit
Replacing: 497606
Servicing: 497401, 497594, 497595, 497596, 499521, 693054
OD 41.00, **Total length** 11.50
w/ snap ring.

Pinion

139395 Pinion
Replacing: 693059, 4114, 280104
Servicing: 390838, 394805, 399928, 491334, 495102, 497596, 498148
ID 20.50, **OD** 41.00, **Height** 11.50 mm, **Splines** 2

234466 Pinion
Replacing: 234466
ID 15.90, **OD** 40.60/1.60", **Height** 19.80/0.78" mm, **Splines** 2

235627 Pinion
Replacing: 693713
Servicing: 693551, 693552, 695479
ID 16.20, **OD** 40.85, **Total length** 13.80, **Splines** 2

Drives

Pinion

234120# Pinion
Replacing: 334323, 33432
Servicing: 32468, 32468a, 32468b, 33605, 35763, 35763a, 35765, 35765a, 36680
ID 10.00, **OD** 32.55, **Height** 31.00 mm

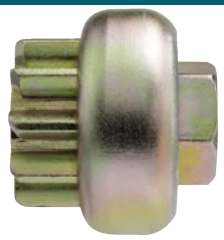
234121# Pinion
Replacing: 33844
Servicing: 33835
ID 10.25, **OD** 32.00, **Height** 31.00 mm

234122# Pinion
Replacing: 34949A
Servicing: 34934, 35707, 35709, 36086, 36123
ID 9.70, **OD** 26.90, **Height** 20.30 mm

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else states

Drives



135400 Drive

Replacing: DV70175, DV18019, 7017540DV30SM, 7017540, 1801940DV30SM, 1801940

Servicing: 0139940m030sm, 0228940mo30sm, 0246540mo30sm, 0246640MO30SM, 0319940m030sm, 0996340mo30sm, 1065221mo30sm, 1097028m030sm

ID 12.85, **OD** 31.75, **Total length** 36.75, **Splines** 6
Bronze.

135401 Drive

Replacing: DV16375, 1637540DV30SM

Servicing: 0255640-mo30sm, 4411940-m030sm, sm02556, sm44119, SM48510

ID 12.85, **OD** 43.00, **Total length** 36.40, **Splines** 6
Bronze.

135402 Drive

Replacing: DV70104, DV47871, DV08154, 7010440DV30SM, 4787140DV30SM, 0815440DV30SM

Servicing: 0814240M030SM, 4820440M030SM, 4820540MO30SM, 4886540mo30sm, 5275640Mo30SM, 5672740MO30SM, sm08142, sm14916, sm17183

ID 12.15, **OD** 27.00, **Total length** 35.65, **Splines** 6
Bronze.

135403 Drive

Replacing: DV02557, 0255740DV30SM

Servicing: 0996140mo30sm, sm09961, smh12b31, SMH12B37

ID 12.15, **OD** 29.00, **Total length** 35.00, **Splines** 6
Bronze.

135404 Drive

Replacing: DV20346, 2034640DV30SM

Servicing: 1122940-m030sm, 1574440M030SM, 1574540mo30sm, 1799640MO30SM, 5059240MO30SM, 5071240M030SM, SM002610, sm02610, sm10629

ID 13.00, **OD** 36.55, **Total length** 35.50, **Splines** 6

135406 Drive

Replacing: DV44192, 4419240DV30SM

Servicing: 4412040M030SM, 5273440M030SM, sm44120

ID 12.85, **OD** 29.00, **Total length** 36.85, **Splines** 6
Bronze.

135408 Drive

Replacing: DV18200, 1820040DV30SM

Servicing: 1819040-mo30sm, 1819040mo30sm, 1819140M030SM, 2134940-M030SM, 2134940Mo30SM, 5213140-m030sm, 5213140MO30SM

ID 12.15, **OD** 29.00, **Total length** 36.55, **Splines** 6
Bronze.

135409 Drive

Replacing: DV551067AS, DV551067A, DV551067, DV47338, 5695KT30SM, 5695340KT30SM, 4733840DV30SM

Servicing: 0599440-m030sm, 0599540mo30sm, 1570140mo30sm, 1635340-m030sm, 4733040mo30sm, 5129640mo30sm, 5665740MO30SM

ID 10.45, **OD** 32.25, **Total length** 28.00

135410 Drive

Replacing: DV551092AS, DV551092A

Servicing: smh12a102, smh12a201, smh12a202, SMH13A102, SMH13A201, SMH13A202, SMH13A62

ID 10.50, **OD** 32.20, **Total length** 30.00, **Splines** 4
Bronze.

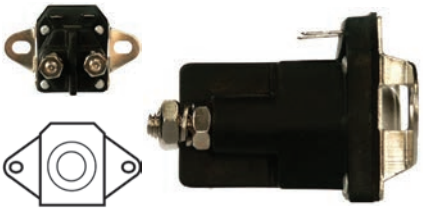
135411# Drive
Replacing: DV551068A
Servicing: smh12a11
ID 10.50, **OD** 38.75, **Total length** 30.85, **Splines** 7
Bronze.

230399 Drive Kit
Replacing: 6024140GE30SM
Servicing: 6013840Mo30SM, 6019440mo30sm
OD 40.00, **Total length** 19.50

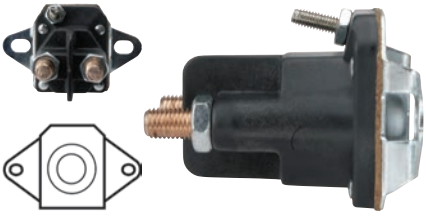
Pinion

139395 Pinion
Replacing: 280104
ID 20.50, **OD** 41.00, **Height** 11.50 mm, **Splines** 2

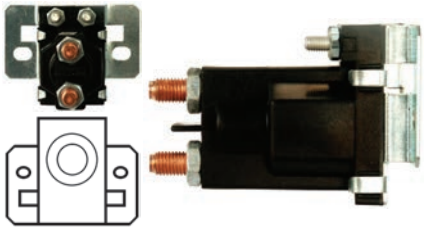
Solenoids



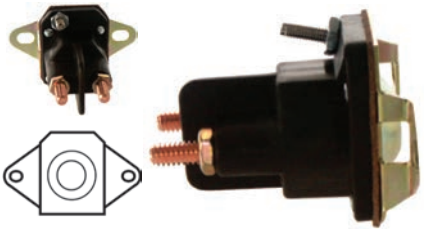
231525 Solenoid
Replacing: 231525
Coil bolt 1/4"-20, **No./terminals** 4
Insulated return.



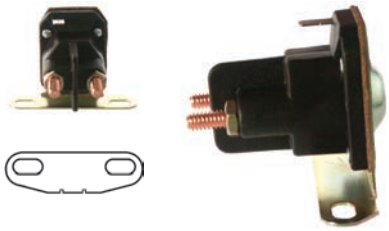
231526 Solenoid
Replacing: 231526
OD 55.85, **Coil bolt** 5/16"-24, **No./terminals** 3
Relay w/ 1/4" B+: Cargo 234070.



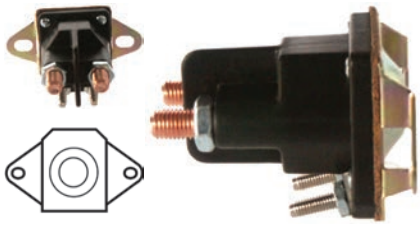
231527 Solenoid
Replacing: 231527
OD 54.20, **Coil bolt** 5/16"-24, **No./terminals** 4



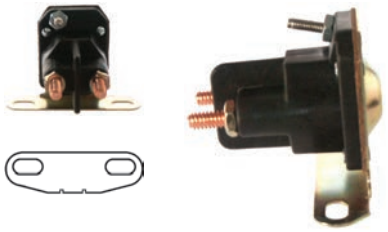
234070 Solenoid
Replacing: 234070
Coil bolt 1/4"-20, **No./terminals** 3
Relay w/ 5/16" B+: Cargo 231526.



234071 Solenoid
Replacing: 234071
Coil bolt 5/16"-24, **No./terminals** 3



234072 Solenoid
Replacing: 234072
Coil bolt 5/16"-24, **No./terminals** 4
Insulated return.



234073 Solenoid
Replacing: 234073
Coil bolt 1/4"-20, **No./terminals** 3
Insulated return.

Workshop Consumables & Tools

Edition 2013/2014

ISO 9001
BUREAU VERITAS
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Plugs & Sockets

DIN and Cigarette Lighter

160294 Cigarette Lighter
Servicing: Alfa Romeo, Audi, Opel, VW
12 **V, Light** No
Universal.

160300 Cigarette Lighter
12 **V, Light** Yes
Universal.

160409 Lighter Socket
12-24 **V,** 20 **A**, **Connection** Terminal, **Light** No, **Bracket** w/
Universal.

Sockets

Pkg. 10

180038 DIN Socket
ID/mount. hole 18.5 mm, **Material** Nickel plated brass, **Connection** Screw, **Mounting holes** 1, **Bracket** w/, Female, **DIN norm** 72591, **ISO norm** 4165
Standard DIN.

Pkg. 10

180115 DIN Socket
Dist. mount. holes 46 mm, **Material** Moulded aluminium, **Connection** Screw, **Mounting holes** 2, **No./poles** 2, Female, **DIN norm** 72591, **ISO norm** 4165
Universal.

Pkg. 10

180157 DIN Socket
ID/mount. hole 18.5 mm, **Material** Nickel plated brass, **Connection** Terminal, **No./poles** 2, **Bracket** w/, Female, **DIN norm** 72591, **ISO norm** 4165

Pkg. 10

180315 DIN Socket
Dist. mount. holes 46 mm, **Material** Plastic, **Connection** Screw, **Mounting holes** 2, **No./poles** 2, Female
Universal.

Pkg. 10

180354 Coupling Socket
Servicing: Female

Pkg. 10

181275 Din socket
ID/mount. hole 18.5 mm, **Connection** Terminal, **No./poles** 2, **Bracket** w/, Female, **DIN norm** 72591, **ISO norm** 4165

181548 Twin Socket Cigar Adapter
12 **V,** 15 **A**
w/ 60 cm cable.

181549 Twin Socket Cigar Adapter
12 **V,** 15 **A**

181550 Twin Socket Cigar Adapter
12 **V,** 10 **A**
w/ 2 USB plugs. Cable lenght: 650 mm.

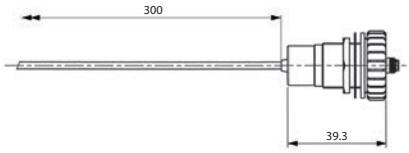
181575 Socket
Light No, **Bracket** w/o
Universal. w/ 30 cm cable 0.8 mm².

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

181601 USB Adapter

12-24 **V,** 3 **A**, **Material** PVC, **Connection** Lighter Socket, *2 horizontally built-in ports, charging two USB devices simultaneously.*



181616 DIN Socket

6-24 **V,** 16 **A**, **Mount.** Screw, **Mount. hole dia.** 18.4 mm, **Colour** Black, **Material** Shockproof plastic, **Protection degree** IP 67, **Connection** Cable, **No./poles** 2, Female, **ISO norm** 4165

Plugs

Pkg. 10

180113 DIN Plug

Material Plastic, **Connection** Screw, **No./poles** 2, Male, **DIN norm** 72591, **ISO norm** 4165

Universal. Fits Cargo 180115.

Pkg. 10

180230 DIN Plug

Material Plastic, **Connection** Screw, Male, **ISO norm** 4165

Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket.

180287 DIN Plug

Material Plastic, **Connection** Screw, Male, **ISO norm** 4165

Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket. w/ built-in 8 A fuse.

Pkg. 10

180399 DIN Plug

Material Plastic, **Connection** Screw, **No./poles** 2, Male

Universal. Fits Cargo 180315.

Accessories

Pkg. 10

181579 Plug and Socket

12-24 **V**

181602 USB Charging Kit

Servicing: Cargo 181601, 181550

Material PVC, **Connection** USB, *Plug 1: Nokia N70/628/6300/N95. Plug 2: Sony PSP. Plug 3: I-Phone. Plug 4: Nokia 8600/6500C. Plug 5: Nintendo DS Lite. Plug 6: Motorola. Plug 7: Samsung Trace/E900.*

Adapters - 12/24 V

7-7 Pin

180201 Trailer Adapter

12-24 **V, Plug type 1** 24N, **Plug type 2** 12N, **Plugs 1** 7, **Plugs 2** 7, **ISO norm 1** 1724, **ISO norm 2** 1185

Adapters 12 V

2-2 Pin

181622 Splitter cable

Servicing: HC-CARGO 181617

12 **V, Cable dim.** 2x1 mm², **Length** 0.25 m, **Plugs 1** 2, **Plugs 2** 2

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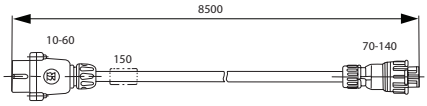
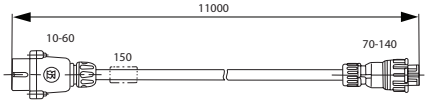
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

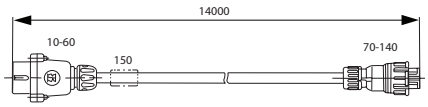
7-8 Pin



181618 Trailer Adapter
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 6x1 mm², **Length** 8.5 m, **Plug type 1** 12N, **Plug type 3** Bayonet, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 8, **ISO norm 1** 1724



181619 Trailer Adapter
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 6X1 mm², **Length** 11 m, **Plug type 1** 12N, **Plug type 3** Bayonet, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 8, **ISO norm 1** 1724



181620 Trailer Adapter
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 6X1 mm², **Length** 14 m, **Plug type 1** 12N, **Plug type 3** Bayonet, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 8, **ISO norm 1** 1724

181621 Socket with cable
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 4x1 mm², **Length** 2 m, **Plug type 1** 12N, **Plug type 3** 4 pin Power Seal, **Colour** Black, **Material** ABS plastic, **Plugs 1** 7, **Plugs 2** 4, **ISO norm 1** 1724

7-13 Pin

181461 Trailer Adapter
Servicing: Hobby and Hymer caravans
12 **V, Cable** w/o, **Plugs 1** 7, **Plugs 2** 13, **ISO norm 1** 1724, **ISO norm 2** 11446
Connect pos. 2/54 on 7-pin to pos. 9 and 10 on 13-pin. (continuous power supply) and connect 3/31 on 7-pin to pos. 3.11 and 13 on 13-pin.

13-7 Pin

180213 Trailer Adapter
12 **V, Cable length** 0.8 mm, **Cable** w/, **Plugs 1** 13, **Plugs 2** 7, **ISO norm 1** 11446, **ISO norm 2** 1724

180221 Trailer Adapter
12 **V, Cable length** 1 mm, **Cable** w/, **Plugs 1** 7, **Plugs 2** 13, **ISO norm 1** 11446, **ISO norm 2** 1724

180298 Trailer Adapter
Cable w/, **Plugs 1** 13, **Plugs 2** 7

180305 Trailer Adapter
12 **V, Cable** w/o, **Plugs 1** 13, **Plugs 2** 7

180332 Trailer Adapter
Plug type 2 Multicon, **Cable** w/o, **Plugs 1** 13, **Plugs 2** 7-13

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

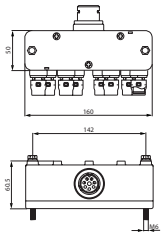
O.E.M. names and numbers are used for reference purposes only.

180373 Trailer Adapter
12 **V, Cable length** 0.1 mm, **Cable** w/, **Plugs 1** 7, **Plugs 2** 13

180574 Trailer Adapter
12 **V, Cable length** 0.3 mm, **Plug type 2** 12N/12S, **Cable** w/, **Plugs 1** 13, **Plugs 2** 7, **ISO norm 1** 11446, **ISO norm 2** 1724

180606 Trailer Adapter
12 **V, Cable** w/o, **Plugs 1** 13, **Plugs 2** 7
Extremely compact.

Distributor Box



181617 Distribution Box
Dim. 160x60x120 mm, **Input** 8 Pin, **Outlet** 6x4 Pin + 2x3 Pin, **Protection degree** IP 54

Trailer Sockets - 12 V

3 Pin

180306 Socket
12 **V,** 5/25/25 **A**, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 3, Female, **ADR-approved** No, **GGVS approval** No

Pkg. 5

180307 Socket
12 **V,** 5/25/25 **A**, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 3, Female, **DIN norm** 9680, **ADR-approved** No, **GGVS approval** No

180308 Plug
12 **V,** 5/25/25 **A**, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 3, Male, **DIN norm** 9680, **ADR-approved** No, **GGVS approval** No

7 Pin

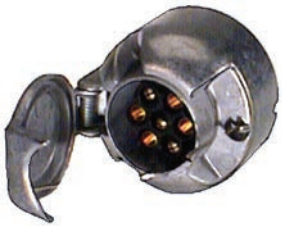
Pkg. 5

180110 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180150 Coupling Socket
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1724

Pkg. 5



180218 Trailer Socket
Servicing: Cargo 180107, 180108, 180147, 181547
12 **V, Plug type** 12N, **Colour** Black, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, **DIN norm** 72577, **ISO norm** 1724

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 5

180239 Trailer Socket

Servicing: Cargo 180238

12 **V, Plug type** 12S, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **ISO norm** 3732

w/ changed central contact 7/58L. w/ grey cap.

Pkg. 5

180293 Trailer Socket

Servicing: Cargo 180107, 180108, 180147, 181547

12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180620 Coupling Socket

Servicing: Cargo: 180239

12 **V, Plug type** 12S, **Colour** Grey, **Material** Shock thermo plastic, **Connection** Cable, Female

w/ changed 7/58L contact.

Pkg. 5

181485 Trailer Socket

Servicing: Cargo 180107, 180108, 180147, 181547

12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724

w/ rear fog light cut-off.

181604 Trailer Socket

Servicing: Cargo 180107, 180108, 180147, 181547

12 **V,** 6 **A, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72577, **ISO norm** 1724

Micro and mechanical switch.

13 Pin

180214 Trailer Socket

Servicing: Cargo 180212

12 **V, Colour** Black, **Locking device** Bayonet, **Material** Nickel plated brass, **Protection degree** Splash proof, **Connection** Screw, **No./poles** 13, **DIN norm** 72570, **ISO norm** 11446

Trailer socket kit: Cargo 180405.

181274 Trailer Socket

Servicing: Cargo 180212

12 **V, Colour** Black, **Locking device** Bayonet, **Material** Nickel plated brass, **Protection degree** Splash proof, **Connection** Screw, **No./poles** 13, **DIN norm** 72570, **ISO norm** 4091

w/ micro switch, that switch over the rear fog lamps from car to trailer. Trailer socket kit: Cargo 180405 .

181576 Coupling Socket

12 **V, Colour** Black, **Material** Shockproof plastic, **Connection** Screw, **No./poles** 13, Female

13-7 Pin

180329 Trailer Socket

Servicing: Cargo 180330

12 **V, Plug type** Multicon, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7/13, Female, **ISO norm** 1724

w/ micro switch, that switch over the rear fog lamps from car to trailer.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Trailer Sockets - 24 V

3 Pin

180402 Trailer socket
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 3, Female

7 Pin

180112 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180153 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180219 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180240 Trailer Socket
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Female, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey cap.

180296 Trailer Socket
Servicing: Cargo 180112, 180153, 180219, 180607, 180297
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185

180351 Trailer Socket
Servicing: Cargo 180112, 180153, 180219, 180607, 180297, Vauxhall
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185
16x flat tongue.

180568 Trailer Socket
Servicing: Cargo 180240, 180569, 180608, 180241
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Female, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey cap.

180569 Trailer Socket
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Female, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey cap.

180571 EBS Socket
24 **V, Plug type 2** EBS, **No./poles** 7, **DIN norm** 74001, **ISO norm** 7638
w/ ejector device for correct plug/socket connection. Incl. pins 3x1.5+2x4 mm².

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180607 Trailer Socket
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Protection degree** IP 54, **Connection** Terminal, **No./poles** 7, Female, **DIN norm** 72579, **ISO norm** 1185, **ADR-approved** Yes

180608 Trailer Socket
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Protection degree** IP 54, **Connection** Terminal, **No./poles** 7, Female, **ISO norm** 3731, **ADR-approved** Yes
w/ changed 1/31 contact. w/ grey cap.

181470 EBS Socket
24 **V, Plug type 2** EBS, **Locking device** Metal bracket, **No./poles** 7, **ISO norm** 7638
Screw connection w/ wirecolour indication.

181471 EBS Socket
24 **V, Plug type 2** EBS, **Locking device** Bayonet, **No./poles** 7, **ISO norm** 7638
Screw connection w/ wire colour indication. Angled.

13 Pin

180253 EBS Socket
24 **V, No./poles** 13, **DIN norm** 74001, **ISO norm** 7638, **ADR-approved** Yes, **GGVS approval** Yes
Incl. pins 12x1+1x2.5 mm². Weather proof.

Accessories

Pkg. 5

180611 Terminal Coupling
Servicing: Cargo 180112, 180569, 180607, 180608, 180241, 180297
24 **V, Plug type** Europe, **Colour** White, **No./poles** 7, Multiplug
For trailer sockets.

Trailer Sockets - 6/24 V

4 Pin

Pkg. 5

180404 Trailer socket
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 4, Female, **DIN norm** 72575

Trailer Plugs - 12 V

7 Pin

Pkg. 5

180107 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180108 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724

Pkg. 5

180147 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Shock thermo plastic, **Connection** Snap-on, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 5

180238 Trailer Plug
Servicing: Cargo 180239
12 **V, Plug type** 12S, **Colour** Grey, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3732
w/ changed 7/58L contact.

181547 Trailer Plug
Servicing: Cargo 180110, 180218, 180293, 181485
12 **V, Plug type** 12N, **Colour** Black, **Material** Plastic, **Connection** Terminal, **No./poles** 7, Male, **DIN norm** 72577, **ISO norm** 1724, **ADR-approved** No, **GGVS approval** No
w/ rubber grommet for 1 cable. Grommet for 2 cables: Cargo 181581.

13 Pin

180212 Trailer Plug
Servicing: Cargo 180214, 181274
12 **V, Colour** Black, **Locking device** Bayonet, **Material** Shock thermo plastic, **Protection degree** Splash proof, **Connection** Screw, **No./poles** 13, Male, **DIN norm** 72570, **ISO norm** 11446
Nickel plated brass pins.

13-7 Pin

180330 Trailer Plug
Servicing: Cargo 180329
12 **V, Plug type** Multicon, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7-13, Male, **ISO norm** 1724
+ 6 contacts.

Trailer Plugs - 24 V

7 Pin

180111 Trailer Plug
Servicing: Cargo 180112, 180153, 180219, 180607, 180297
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Terminal, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180154 Trailer Plug
Servicing: Cargo 180112, 180153, 180219, 180607, 180297
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180220 Trailer Plug
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180241 Trailer Plug
Servicing: Cargo 180568, 180610, 180624
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey plastic interior.

180297 Trailer Plug
Servicing: Cargo 180296, 180351, 180111, 180154
24 **V, Plug type 1** 24N, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Terminal, **No./poles** 7, Male, **DIN norm** 72579, **ISO norm** 1185

180570 EBS Plug
24 **V, Plug type** EBS, **Locking device** Metal bracket, **Protection degree** Waterproof, **Connection** 529, **No./poles** 7, **DIN norm** 40050, **ISO norm** 7638
Incl. pins 5x1.5+2x4 mm². w/ locking device.

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180610 Trailer Plug
Servicing: Cargo 180240, 180569, 180608, 180241
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Colour** Black, **Material** Shock thermo plastic, **Protection degree** IP 54, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3731, **ADR-approved** Yes
w/ changed 1/31 contact. w/ grey plastic interior.

180624 Trailer Plug
Servicing: Cargo 180240, 180569, 180608, 180241
24 **V, Plug type 1** 24S, **Plug type 2** Europe, **Material** Moulded aluminium, **Connection** Screw, **No./poles** 7, Male, **ISO norm** 3731
w/ changed 1/31 contact. w/ grey plastic interior.

181469 EBS Plug
24 **V, Plug type 2** EBS, **Locking device** Metal bracket, **Protection degree** Waterproof, **No./poles** 7, **ISO norm** 7638
Screw connection w/ wirecolour indication.

13 Pin

180252 EBS Plug
24 **V, Connection** 529, **No./poles** 13, **DIN norm** 40050, **ISO norm** 7638, **ADR-approved** Yes, **GGVS approval** Yes
Incl. pins 12x1+1x2.5 mm². Weather proof.

Accessories

Pkg. 5

180612 Terminal Coupling
Servicing: Cargo 180296, 180351, 180568, 180111, 180609
24 **V, Plug type** Europe, **Colour** Red, **No./poles** 7

Trailer Plugs - 6/24 V

3 Pin

180401 Trailer plug
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 3, Male, **DIN norm** 9680

4 Pin

180403 Trailer plug
6-24 **V, Colour** Black, **Material** Shock thermo plastic, **Connection** Screw, **No./poles** 4, Male, **DIN norm** 72575

Cable Kits 12 V

7 Pin

180001 Trailer Cable Kit
12 **V, Length** 1.4 m, **Cable type** Single core w/ flex, **Socket type** 12N, **Sockets** 7, **Fixing materials** Yes, **Fixing materials** Yes, **Male** 7, **Gasket** Yes, **DIN norm** 72577, **ISO norm** 1724

180144 Trailer Cable Kit
12 **V, Length** 1.4 m, **Cable type** Multi core, **Socket type** 12N, **Sockets** 7, **Fixing materials** Yes, **Fixing materials** Yes, **Male** 7, **Gasket** Yes, **DIN norm** 72577, **ISO norm** 1724

180248 Trailer Cable Kit
12 **V, Length** 2 m, **Cable type** Multi core, **Socket type 1** 12N, **Sockets** 7, **Fixing materials** Yes, **Fixing materials** Yes, **Male** 7, **Gasket** Yes, **DIN norm** 72577, **ISO norm** 1724

13 Pin

180405 Trailer Cable Kit
Servicing: Cargo 180214
12 **V, Length** 1.8 m, **Cable type** Multi core, **Socket** 13, **Fixing materials** Yes, **Fixing materials** Yes, **Gasket** Yes, **DIN norm** 72570, **ISO norm** 4091
w/ rubber gasket.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Accessories

180245 ABS Sealing Kit

Pkg. 10

180249 Rubber Gasket
Servicing: Cargo 180110, 180218, 180239, 180293, 181485
No./poles 7, Female

Pkg. 10

181510 Rubber Gasket
Servicing: Cargo 180110, 180218, 180239, 180293, 181485

Pkg. 10

181581 Rubber Bushing
Servicing: Cargo 181547
OD 6.5 mm, **Material** Rubber
w/ 2 outlets.

181583 Mounting Bracket
Servicing: Cargo 180110, 180218, 180239, 180293, 181485
ID 40 mm, **OD** 80,
Dist. mount. holes 20 mm,
Mount hole 1 12 mm, **Mounting holes** 2 (0)
For trailer socket.

181612 Rubber Gasket
Servicing: HC-CARGO: 180110, 180218, 180239, 180293, 181485
Colour Black, **Material** EPDM rubber

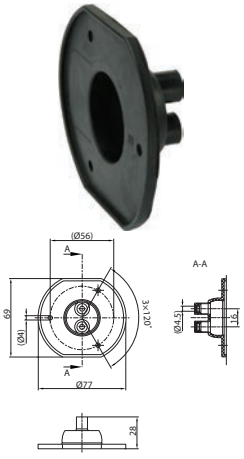
181623 Cable w/ connector 2P 2m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 2x1 mm², **Length** 2 m,
Plug type 2 pin Power Seal, **Plugs** 2

181624 Cable w/ connector 2P 3.56m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 2x1 mm², **Length** 3.56 m,
Plug type 2 pin Power Seal, **Plugs** 2

181625 Cable w/ connector 4P 2.30m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 4x1 mm², **Length** 2.3 m,
Plug type 4 pin Power Seal, **Plugs** 4

181626 Cable w/ connector 4P 4.06m
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 4X1 mm²,
Length 4.06 m, **Plug type** 4 pin Power Seal, **Plugs** 4

181627 Bayonet connector
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 8x1.5-2.5 mm²,
Mount. Terminal, **Plug type** Bayonet,
Locking device Bayonet,
Connection Connection, **No./poles** 8,
DIN norm 72580



181628 Rubber Gasket
Servicing: HC-CARGO: 180110, 180218, 180239, 180293, 181485
Colour Black, **Material** EPDM rubber

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Trailer Coils 12 V

7 Pin

180225 Trailer Coil
12 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** 24N, **Plug type 3** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1724

180372 Trailer Coil
12-24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** 12N, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1724

180613 Trailer Coil
12 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 1.5 m, **Plug type 1** 12N, **Plug type 2** 12N, **Colour** Black, **Material** Polyurethan, **Windings** 15, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1724

181544 Extension Cable Coil
12 **V, Cable dim.** 6x1.5+1x2 mm², **Mount.** Screw, **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** Europe, **Plug type 3** 12N, **Plug type 4** Europe, **Colour** Black, **Material** Shock thermo plastic, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 72577, **ISO norm** 1724

13 Pin

181600 Trailer coil w/ 2 x 13pin plugs
12 **V, Working length** 3 m, **Windings** 17, **Plugs 1** 13, **Plugs 2** 13, **ISO norm** 11446
Max extension length: 4.5 m.

Trailer Coils 24 V

2 Pin

181489 Trailer Coil
24 **V, Cable dim.** 2x35 mm², **Working length** 4 m, **Plug type 1** Nato plug, **Plug type 2** Nato plug, **Colour** Red/black, **Material** Polyurethan, **Windings** 35, **Plugs 1** 2, **Plugs 2** 2

7 Pin

180194 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 12N, **Plug type 2** 24N, **Plug type 3** Europe, **Colour** Black, **Material** Nylon, **Windings** 20, **Plugs 1** 7, **Plugs 2** 7, **ISO norm 1** 1185, **ISO norm 2** 1724

180195 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Nylon, **Windings** 20, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 72579, **ISO norm 1** 1185, **ISO norm 2** 1185
Aluminium plug.

180196 Trailer Coil
24 **V, Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Nylon, **Windings** 20, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 72579, **ISO norm 1** 1185, **ISO norm 2** 1185

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180226 Trailer Coil
24 **V,** **Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1185

180227 Trailer Coil
24 **V,** **Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1185
Aluminium plug.

180228 Trailer Coil
24 **V,** **Cable dim.** 6x1+1x1.5 mm², **Mount.** Moulded, **Working length** 3.5 m, **Plug type 1** 24N, **Plug type 2** Europe, **Plug type 3** 24N, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 1185

180316 Trailer Coil
12-24 **V,** **Cable dim.** 6x1+1x1.5 mm², **Working length** 3.5 m, **Plug type 1** 24S, **Plug type 2** Europe, **Plug type 3** 24S, **Plug type 4** Europe, **Colour** Black, **Material** Polyurethan, **Windings** 42, **Plugs 1** 7, **Plugs 2** 7, **ISO norm** 3731

180572 Trailer Coil
24 **V,** **Cable dim.** 2x4+5x1.5 mm², **Working length** 4 m, **Plug type 1** EBS, **Plug type 2** EBS, **Material** Polyurethan, **Plugs 1** 7, **Plugs 2** 7, **DIN norm** 74001, **ISO norm** 7638

13 Pin

180250 Trailer Coil
Cable dim. 12x1.5+1x2.5 mm², **Working length** 3.5 m, **Material** Polyurethan, **Plugs 1** 13, **Plugs 2** 13, **ISO norm** 6772, **GGVS approval** Yes

NATO Cable Connectors

180197 Nato Socket
24 **V,** 200 **A,** **Dim.** 35-50 mm², **Dist. mount. holes** 82.5/47.6 mm, **Mounting holes** 4, **No./poles** 2

180198 Nato Plug
24 **V,** 200 **A,** **Dim.** 50 mm², **No./poles** 2

180325 Nato Plug
24 **V,** 200 **A,** **Dim.** 50 mm², **Material** Metal/Rubber, **No./poles** 2
w/ screw device.

180349 Nato Socket
24 **V,** 250 **A,** **Dim.** 70 mm², **Dist. mount. holes** 85/60 mm, **Mounting holes** 4, **No./poles** 2

180350 Nato Plug
24 **V,** 250 **A,** **Dim.** 70 mm², **No./poles** 2

181563 Nato Plug
24 **V,** 200 **A,** **Dim.** 50 mm², **No./poles** 2

193002 Nato Socket 2-pin
24 **V,** **Dim.** 35 mm², **ID/mount. hole** 6 mm, **Dist. mount. holes** 82x49 mm, **Colour** Black, **Material** Plastic, **Mounting holes** 4, **No./poles** 2, **Bracket** w/, Female

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Available while stock last, * Program development.

181611 Nato Plug
24 **V,** 200 **A**, **Dim.** 35 mm², **Material** Aluminium, **No./poles** 2

Spare Parts

Pkg. 2

180560 Terminal
Cable size 35 mm², **Gender** Female
For Cargo 180197. Long.

Pkg. 2

180561 Terminal
Plug length 42 mm, **Cable size** 35 mm², **Gender** Male
For Cargo 180325.

Accessories

180199 Nato Coupling
24 **V,** 200 **A**, **Dim.** 35-50 mm², **No./poles** 2

Industrial Battery Connectors

50 Ampere

180381 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180382 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180383 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 16 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Black, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180530 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 6 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180531 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 6 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180532 Battery Connector
600 **V,** 50 **A**, **Cable dim.** 6 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB50, **Colour** Black, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

50 Ampere

Spare Parts

180390 Terminals
Servicing: Cargo 180381, -382, -383
600 **V,** 50 **A**, **Cable dim.** 16 mm²

180535 Terminals
Servicing: Cargo 180530, -531, -532
600 **V,** 50 **A**, **Cable dim.** 6 mm²

Accessories

180548 Handle
Servicing: Cargo 180381, -382, -383, -530, -531, -532
Colour Red

181516 Dust Cap
For CB50.

80 Ampere

180542 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 25 mm²,
Mount. Solder/crimp, **Type** Female,
Model NF80, **Colour** Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23, **Resistant to acid** Yes

180543 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 25 mm²,
Mount. Solder/crimp, **Type** Male,
Model NF80, **Colour** Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23, **Resistant to acid** Yes

180562 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 16 mm²,
Mount. Solder/crimp, **Type** Female,
Model NF80, **Colour** Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23, **Resistant to acid** Yes

180563 Battery Connector
150 **V,** 80 **A**, **Cable dim.** 16 mm²,
Mount. Solder/crimp, **Type** Male,
Model NF80, **Colour** Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23,
Resistant to acid Yes

100 Ampere

181501 Battery Connector
150 **V,** 100 **A**, **Cable dim.** 16 mm²,
Mount. Solder/crimp, **Type** Female,
Colour Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23,
Resistant to acid Yes

181502 Battery Connector
150 **V,** 100 **A**, **Cable dim.** 16 mm²,
Mount. Solder/crimp, **Type** Male,
Colour Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23,
Resistant to acid Yes

181503 Battery Connector
150 **V,** 100 **A**, **Cable dim.** 25 mm²,
Mount. Solder/crimp, **Type** Female,
Colour Black, **Materal** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23, **Resistant to acid** Yes

181504 Battery Connector Kit
150 **V,** 100 **A**, **Cable dim.** 25 mm²,
Mount. Solder/crimp, **Type** Male,
Colour Black, **Material** Plastic,
Materal 2 Silver plated copper alloy,
Temp./Max +90 °C, **Temp./Min** -20 °C,
Protection degree IP 23, **Resistant to acid** Yes

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Available while stock last, * Program development.

100 Ampere

Accessories

181505 Handle
Servicing: Cargo 181501, 181502, 181503, 181504
Colour Red

160 Ampere

181519 Battery Connector
150 **V,** 160 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** NF160, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
Delivered w/o derate set 50/35.

181520 Battery Connector Kit
150 **V,** 160 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Male, **Model** NF160, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
Delivered w/o derate set 50/35.

160 Ampere

Accessories

180380 Handle
Colour Black

181521 Reducer Kit
Servicing: Cargo 181519, 181520
150 **V,** 160 **A**, **Cable dim.** 50/35 mm²

175 Ampere

180384 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180385 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes
79.4x55.6x25.4 mm.

180533 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 35 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180534 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 35 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180537 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C
Can replace CBE160, except yellow.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180538 Battery Connector
600 **V,** 175 **A**, **Cable dim.** 50 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB175, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C
Can replace CBE160, except yellow.

175 Ampere

Spare Parts

180392 Terminals
Servicing: Cargo 180384, -385
600 **V,** 175 **A**, **Cable dim.** 50 mm²

180536 Terminals
Servicing: Cargo 180533, 180534
600 **V,** 175 **A**, **Cable dim.** 35 mm²

180554 Terminals
Servicing: Cargo 180537, -538
600 **V,** 175 **A**, **Cable dim.** 50 mm²

Accessories

180391 Handle
Servicing: Cargo 180533, -534, -537, -538, -384, -385
Colour Red

180549 Handle
Servicing: Cargo 180533, -534, -537, -538, -384, -385
Colour Grey

181517 Dust cap
For CB175.

250 Ampere

180580 Battery Connector
150 **V,** 250 **A**, **Cable dim.** 50 mm², **Mount.** Soldering, **Type** Male, **Model** Y250, **Colour** Yellow, **Material** Thermoplastic, **Materal 2** Copper alloy

180581 Battery Connector
250 **V,** 250 **A**, **Cable dim.** 50 mm², **Mount.** Soldering, **Type** Female, **Model** P250, **Colour** Black, **Material** Thermoplastic, **Materal 2** Copper alloy

250 Ampere

Spare Parts

181605 Terminals
Servicing: Cargo 180581
Gender Female

181606 Terminals
Servicing: Cargo 180580
Gender Male

Accessories

180582 Terminals
Servicing: Cargo 180580
Gender Male
Single delivered.

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Available while stock last, * Program development.

180583 Terminals
Servicing: Cargo 180581
Gender Female
Single delivered.

181328 Rubber Boot
Protection degree IP 66

181329 Lid
Self-closed.

181594 Joint interfacial
Servicing: Cargo 180580

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300 Ampere

180575 Battery Connector
250 **V,** 300 **A**, **Cable dim.** 70 mm², **Mount.** Soldering, **Model** E300, **Colour** Yellow, **Materal 2** Copper alloy, **Bracket** w/
Shells: stamped steel and coated w/ yellow paint. Insulators: DMC mouldings. Terminals w/ brazed solid silver tip.

180577 Battery Connector
250 **V,** 300 **A**, **Cable dim.** 70 mm², **Mount.** Soldering, **Model** E300, **Colour** Yellow, **Materal 2** Copper alloy, **Bracket** w/
Shells: stamped steel and coated w/ yellow paint. Insulators: DMC mouldings. Terminals w/ brazed solid silver tip.

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320 Ampere

180395 Battery Connector
150 **V,** 320 **A**, **Cable dim.** 90/70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** NF320, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
w/ reducing bushings for 70 mm² cable.

180396 Battery Connector
150 **V,** 320 **A**, **Cable dim.** 90/70 mm², **Mount.** Solder/crimp, **Type** Male, **Model** NF320, **Colour** Black, **Material** Plastic, **Materal 2** Silver plated copper alloy, **Temp./Max** +90 °C, **Temp./Min** -20 °C, **Protection degree** IP 23, **Resistant to acid** Yes
w/ reducing bushings for 70 mm² cable.

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320 Ampere

Accessories

180616 Terminals
Servicing: Cargo 180395
150 **V,** 160 **A**, **Type** Female

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350 Ampere

180386 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB350, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

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#Available while stock last, * Program development.

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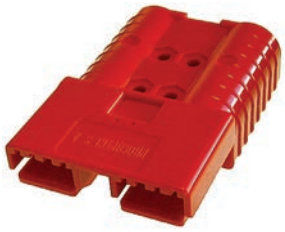
180387 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CB350, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C, **Solvent** Yes, **Resistant to acid** Yes, **Hydrocarbons** Yes

180551 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CBX350, **Colour** Grey, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C



180552 Battery Connector
600 **V,** 350 **A**, **Cable dim.** 70 mm², **Mount.** Solder/crimp, **Type** Female, **Model** CBX350, **Colour** Red, **Material** Polycarbonat, **Materal 2** Electrolytic copper with galvanic silver plating, **Temp./Max** +125 °C, **Temp./Min** -40 °C

350 Ampere

Accessories

180550 Handle
Servicing: Cargo 180386, -387, 180551, -552
Colour Grey

Crimp Terminals

Insulated

Ring

Pkg. 50

190255 Terminal
Lead dim. 2.6-6.6 mm², **Conductor dim.** 44/0.3-84/0.3 mm, **ID** 3.6-6.8 mm, **Length** 33 mm, **Width** 8 mm, **Type 2** Ring, **Colour** Yellow

Non Insulated

Pkg. 50

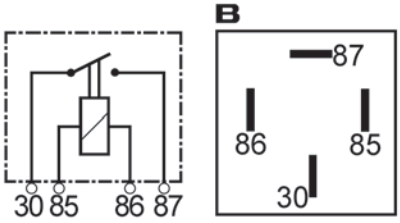
191766 Terminal
Dim. 3.3x5.5 mm², **ID** 3.32-5.37 mm, **Width** 6.3 mm, **Type 1** Female, **Type 2** Flat, **Type 6** Powr-bloks, **Non return tag** w/
For Cargo 191722, 191723, 191724, 191726.

Relay & Switches

Relays

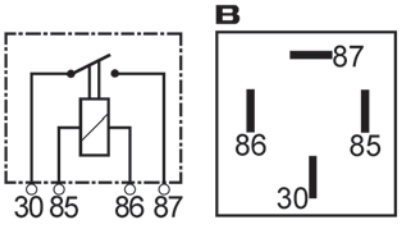
Mini - 6V

Pkg. 10



160652 Mini Relay
6 **V,** 20 **A**, **Terminals** 4, **Bracket** w/

Mini - 12V



160080 Mini Relay
12 **V,** 30 **A**, **Terminals** 4, **Bracket** w/

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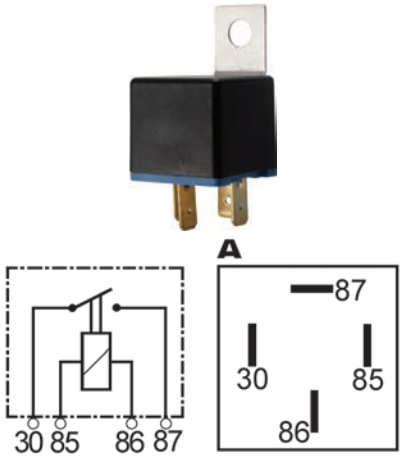
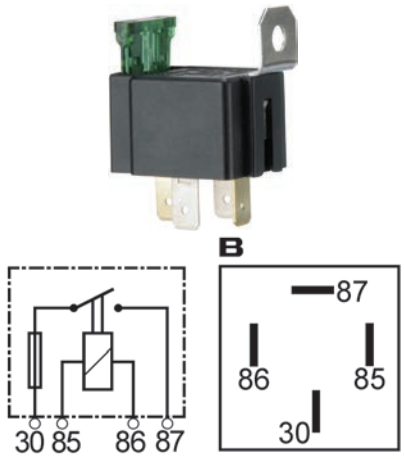
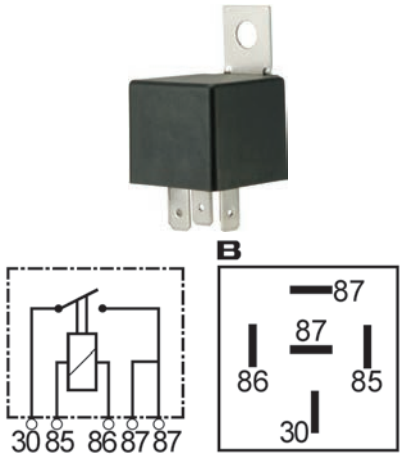


160083 Mini Relay
Servicing: BMW
12 **V,** 30 **A**, **Terminals** 4, **Bracket** w/, **Fuse** w/o
Own consumption 50-180 mA depending on coil size.

Pkg. 10

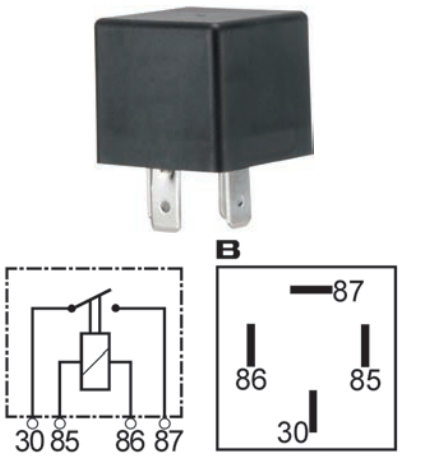


160155 Mini Relay
12 **V,** 15 **A**, **Terminals** 4, **Bracket** w/
w/ insertable ATO blade fuse.



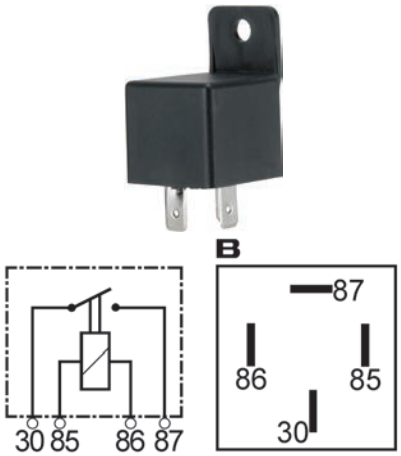
160265 Mini Relay
12 **V,** 30 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10

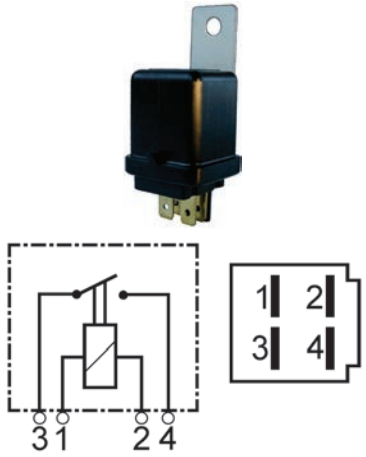


160282 Mini Relay
Servicing: 1403010, S115HD24-2, ZGS002, ZGS003, Kia
12 **V,** 40 **A**, **Terminals** 4, **Bracket** w/o

Pkg. 10

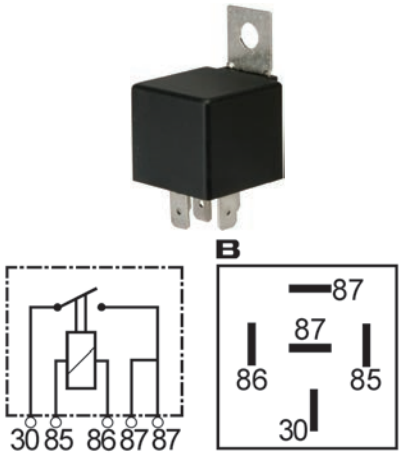


160311 Mini Relay
12 **V,** 40 **A**, **Terminals** 4, **Bracket** w/



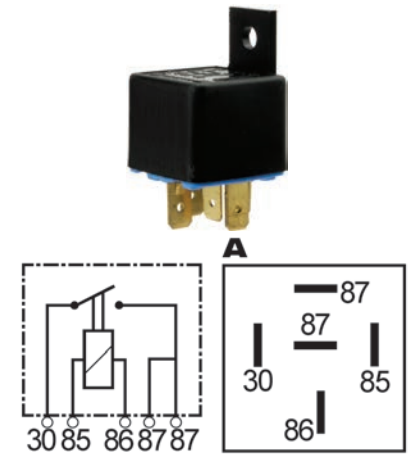
160480 Mini Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/

Pkg. 10



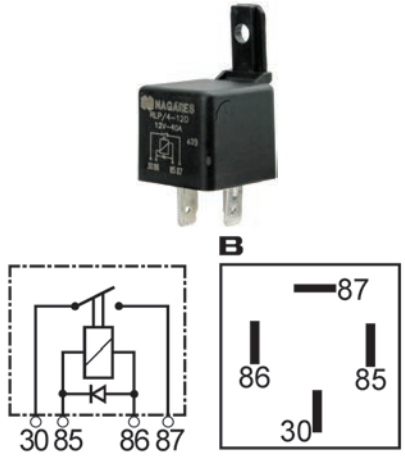
160903 Mini Relay
12 **V,** 40 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10



160921 Mini Relay
12 **V,** 30 **A**, **Height** 47 mm, **Plug type** Flat, **Terminals** 5, **Bracket** w/, **Resistor** w/o

Pkg. 10



160929 Mini Relay
12 **V,** 40 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/

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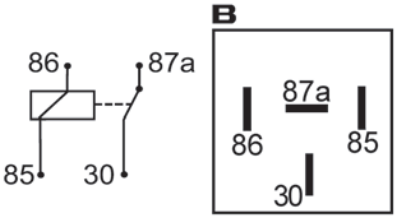
#Available while stock last, * Program development.

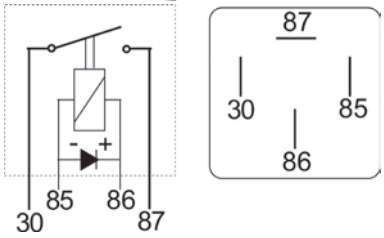
O.E.M. names and numbers are used for reference purposes only.

Pkg. 10



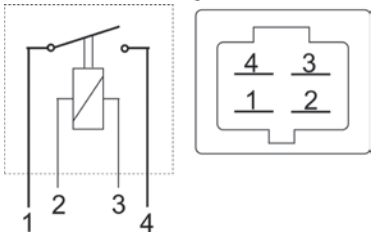
160945 Mini Relay
12 **V,** 20 **A**, **Terminals** 4, **Bracket** w/

Pkg. 10



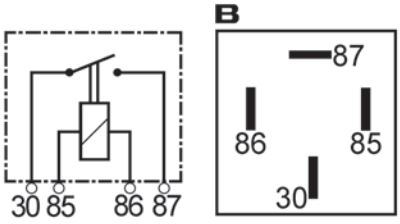
160982 Mini Relay
12 **V,** 40 **A**, **Terminals** 4

Pkg. 10



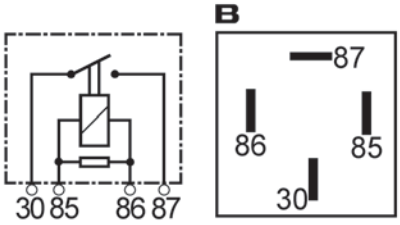
160983 Mini Relay
12 **V,** 30 **A**, **Terminals** 4

High Performance

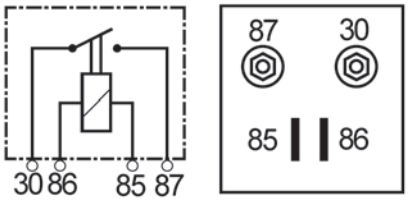


160239 Mini Relay
12 **V,** 70 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

Pkg. 10

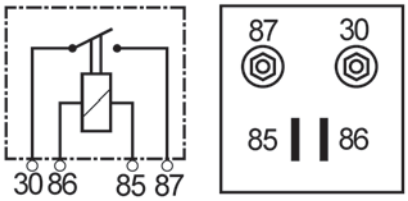


160468 Mini Relay
12 **V,** 70 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/o, **Resistor** w/
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

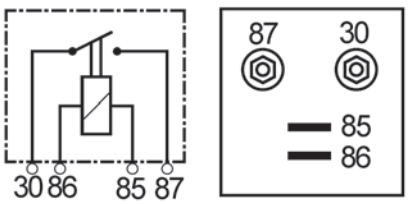


160477 Mini Relay
12 **V,** 100 **A**, **Type** High performance, **Terminals** 4
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.

Pkg. 10



160477z Mini Relay
12 **V,** 100 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.

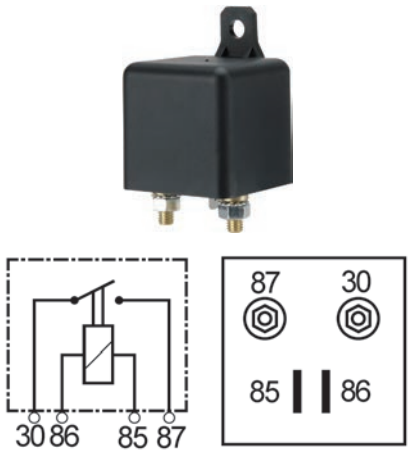


160720 Mini Relay
12 **V,** 120 **A**, **Terminals** 4, **Bracket** w/

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

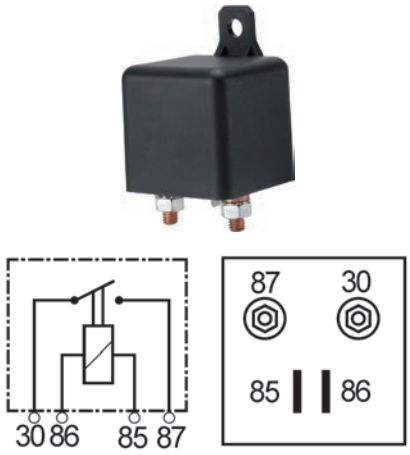
Pkg. 10



160922 Mini Relay

12 **V,** 140 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

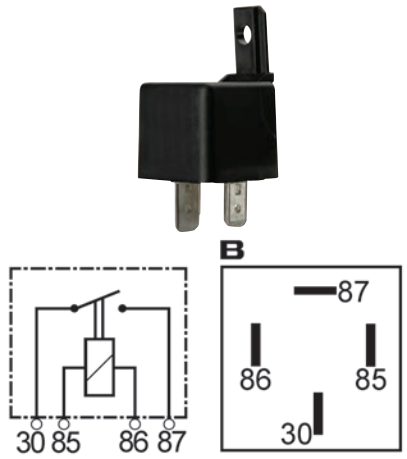
Pkg. 10



160923 Mini Relay

12 **V,** 200 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

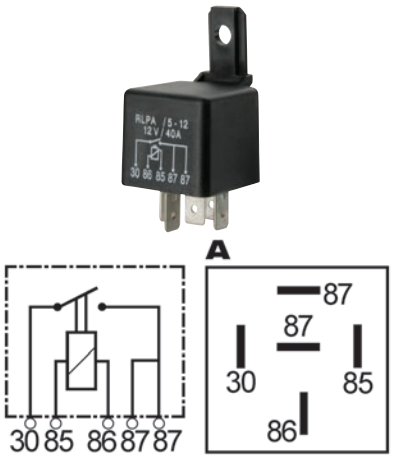
Pkg. 10



160931 Mini Relay

12 **V,** 50 **A**, **Terminals** 4, **Bracket** w/ *Terminal 85+86=6.3 mm. Terminal 87+30=8 mm.*

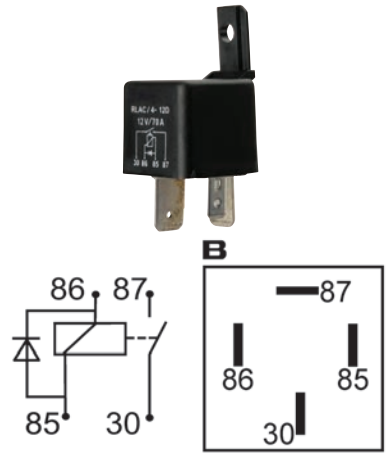
Pkg. 10



160940 Mini Relay

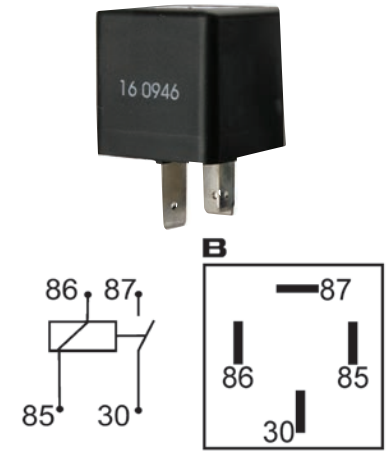
12 **V,** 40 **A**, **Terminals** 5, **Bracket** w/ *w/ double output.*

Pkg. 10



160941 Mini Relay

12 **V,** 70 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/

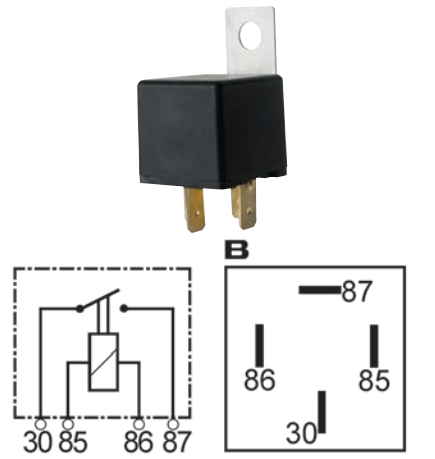


160946 Mini Relay

12 **V,** 100 **A**, **Terminals** 4, **Bracket** w/o

Mini - 24V

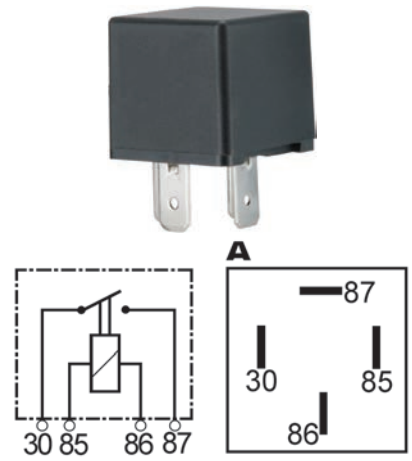
Pkg. 10



160082 Mini Relay

24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/

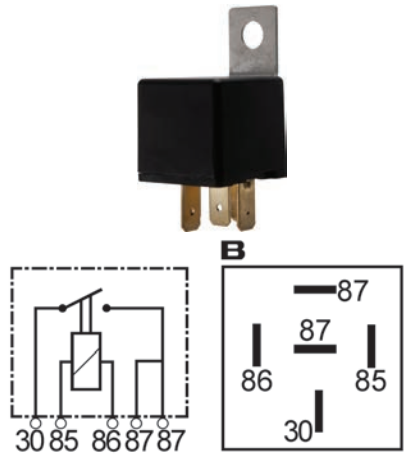
Pkg. 10



160215 Mini Relay

24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/o

Pkg. 10

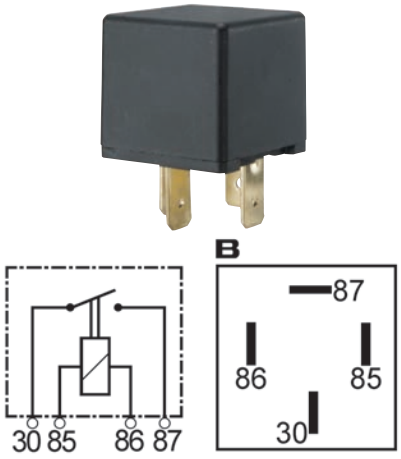


160266 Mini Relay

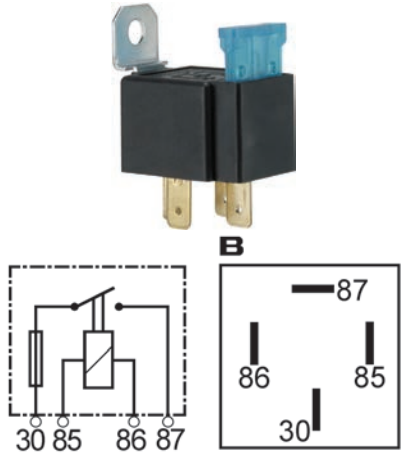
24 **V,** 20 **A**, **Terminals** 5, **Bracket** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

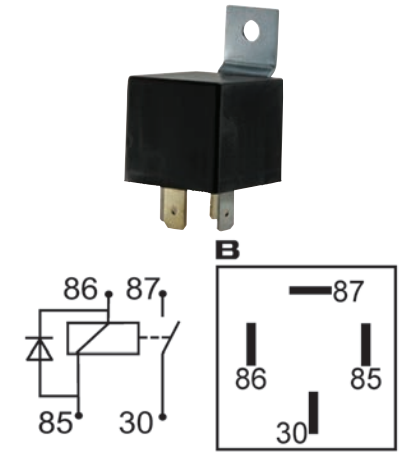


160307 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/o

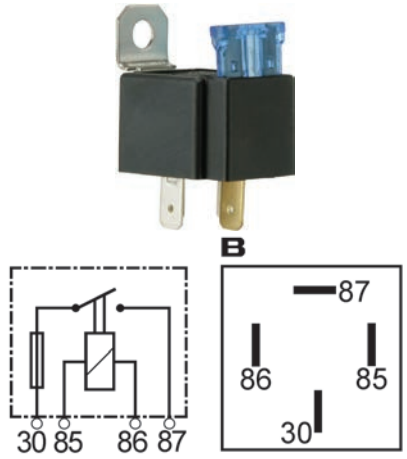


160473 Mini Relay
24 **V,** 15 **A**, **Type/fuse** ATO, **Terminals** 4, **Bracket** w/, **Fuse** w/
w/ insertable ATO blade fuse.

Pkg. 10

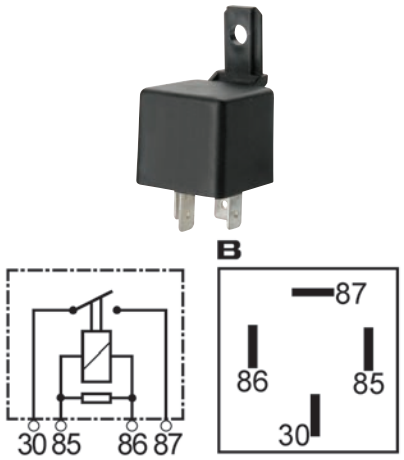


160890 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/



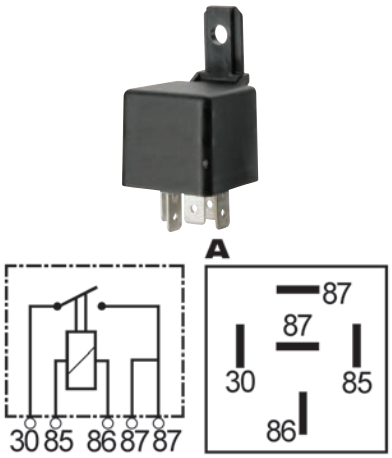
160926 Mini Relay
24 **V,** 20 **A**, **Type/fuse** ATO, **Terminals** 4, **Bracket** w/, **Fuse** w/

Pkg. 10



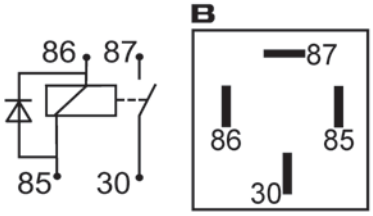
160935 Mini Relay
24 **V,** 22 **A**, **Terminals** 4, **Bracket** w/, **Resistor** w/

Pkg. 10



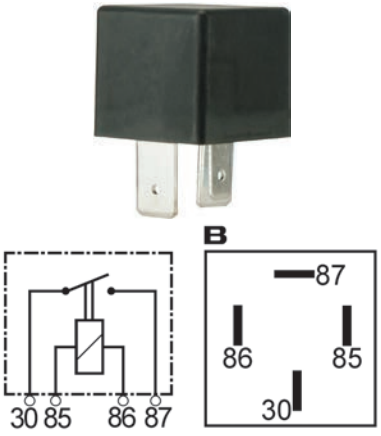
160936 Mini Relay
24 **V,** 22 **A**, **Terminals** 5, **Bracket** w/
w/ double output.

Pkg. 10



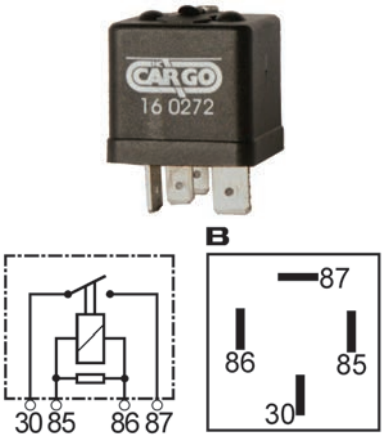
160947 Mini Relay
24 **V,** 20 **A**, **Terminals** 4, **Bracket** w/, **Diode** w/

High Performance



160240 Mini Relay
24 **V,** 40 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/o
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

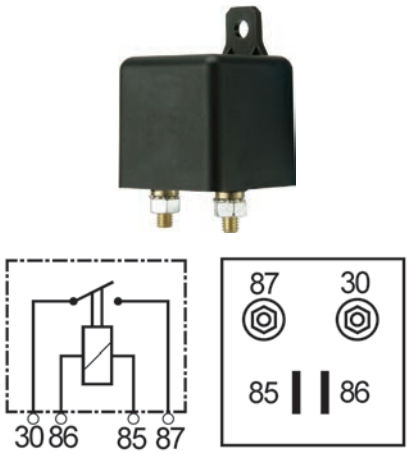
Pkg. 10



160272 Mini Relay
24 **V,** 70 **A**, **Terminals** 4, **Bracket** w/o, **Resistor** w/
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

O.E.M. names and numbers are used for reference purposes only.

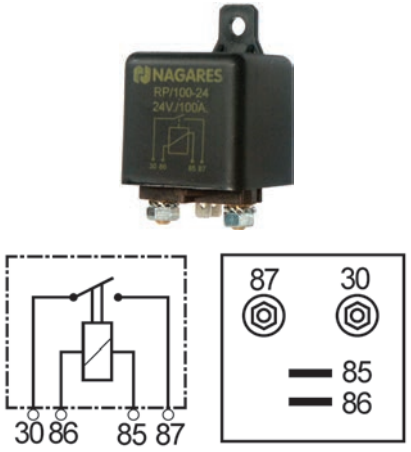
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160478 Mini Relay

24 **V,** 60 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

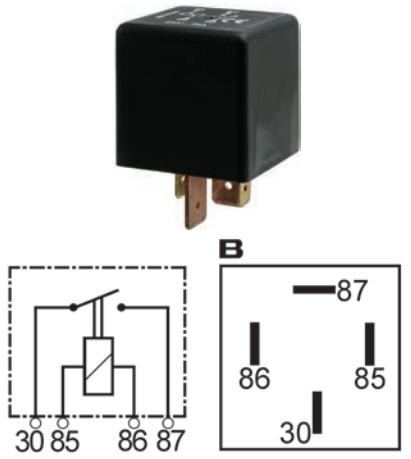
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.



160721 Mini Relay

24 **V,** 100 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

Pkg. 10

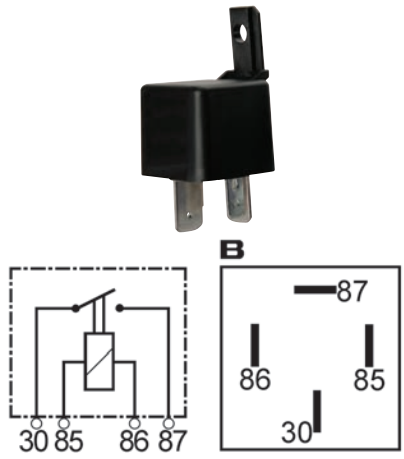


160769 Mini Relay

24 **V,** 70 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/o

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

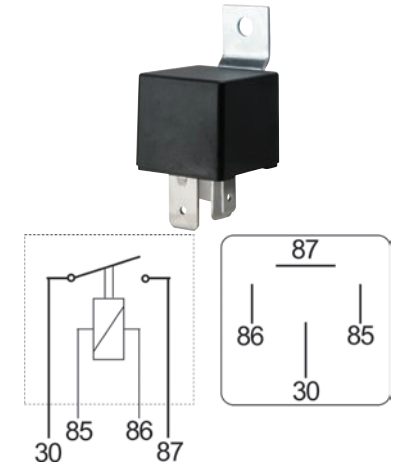
Pkg. 10



160937 Mini Relay

24 **V,** 40 **A**, **Terminals** 4, **Bracket** w/

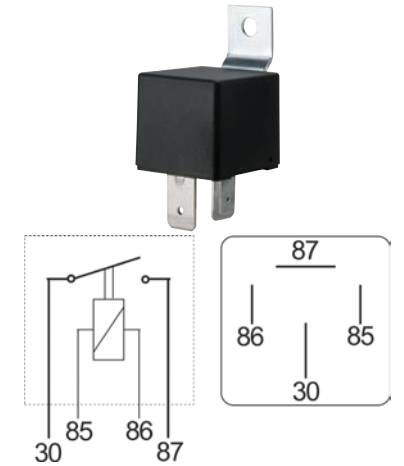
Pkg. 10



160975 Mini Relay

24 **V,** 70 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

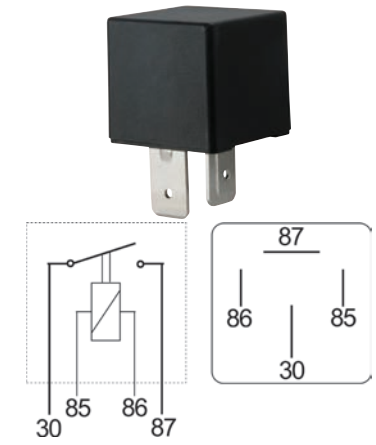
Pkg. 10



160977 Mini Relay

24 **V,** 50 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

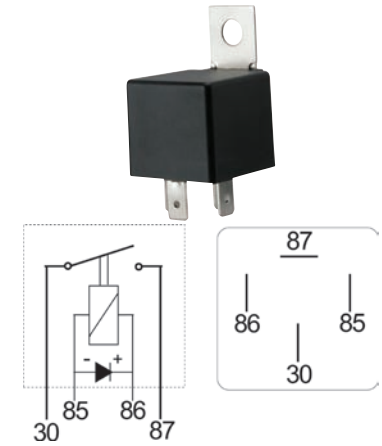
Pkg. 10



160978 Mini Relay

24 **V,** 40 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/o

Pkg. 10



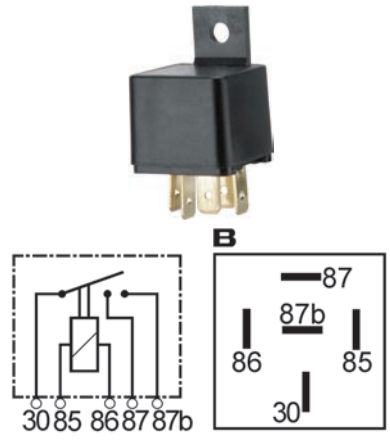
160979 Mini Relay

24 **V,** 30 **A**, **Type** High performance, **Terminals** 4, **Bracket** w/

Mini

Double Contact

Pkg. 10



160168 Relay

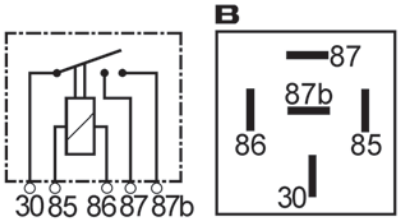
Servicing: Mercedes-Benz

12 **V,** 2x20 **A**, **Terminals** 5, **Bracket** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

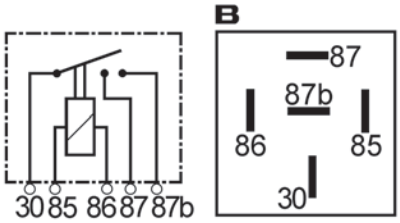
O.E.M. names and numbers are used for reference purposes only.

Pkg. 10



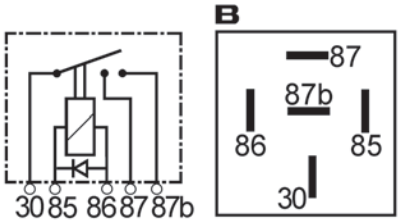
160169 Relay
24 **V,** 2x10 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10



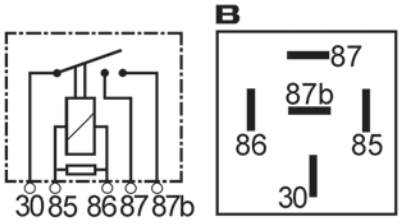
160902 Relay
12 **V,** 2x15 **A**, **Terminals** 5, **Bracket** w/

Pkg. 10

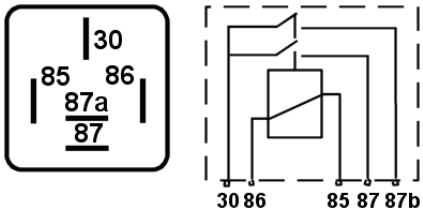


160934 Mini Relay
12 **V,** 2x20 **A**, **Terminals** 5, **Bracket** w/, **Diode** w/

Pkg. 10



160938 Relay
24 **V,** 2x10 **A**, **Terminals** 5, **Bracket** w/, **Resistor** w/
w/ double contact.



160939 Relay
24 **V,** 2x10 **A**, **Terminals** 5, **Bracket** w/, **Diode** w/

High Performance 12V

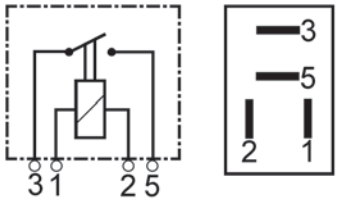
160984 Relay
12 **V,** 300 **A**, **Type** High performance, **Terminals** 3, **Bracket** w/

High Performance 24V

160985 Relay
24 **V,** 200 **A**, **Type** High performance, **Terminals** 3, **Bracket** w/

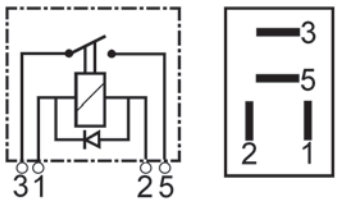
Micro

Pkg. 10



160363 Micro Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/o

Pkg. 10



160364 Micro Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/o, **Diode** w/

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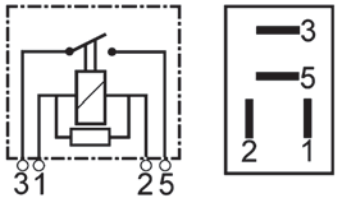
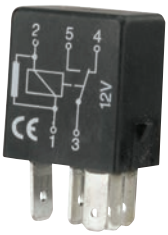
Available while stock last, * Program development.

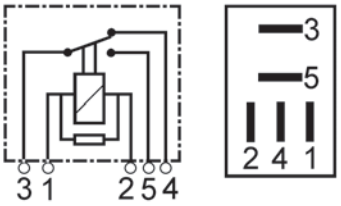
Pkg. 10



160918 Micro Relay
12 **V,** 25 **A**, **Terminals** 4, **Bracket** w/o, **Resistor** w/

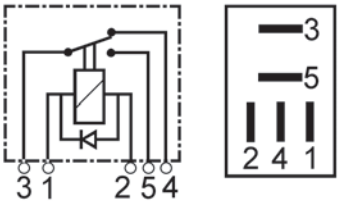
Pkg. 10





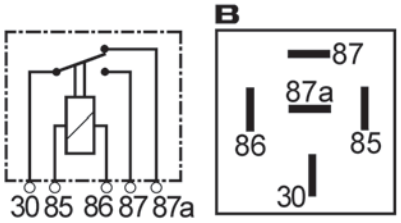
160919 Micro Relay
12 **V,** 20/10 **A**, **Terminals** 5, **Bracket** w/o, **Resistor** w/

Pkg. 10



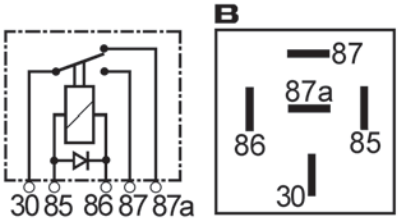
160920 Micro Relay
12 **V,** 20/10 **A**, **Terminals** 5, **Bracket** w/o, **Diode** w/

Change Over - 12V



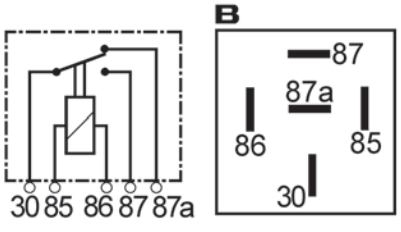
160081 Relay
12 **V,** 20/30 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/

Pkg. 10



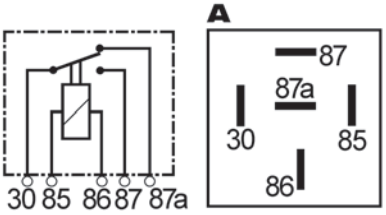
160270 Relay
12 **V,** 20/30 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/, **Diode** w/

Pkg. 10



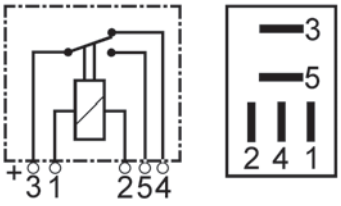
160308 Relay
12 **V,** 40/15 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/o

Pkg. 10



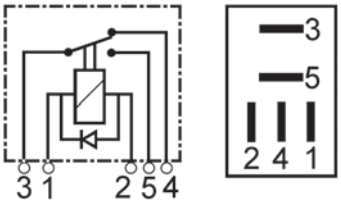
160316 Relay
12 **V,** 15/40 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/

Pkg. 10



160365 Micro Relay
12 **V,** 10/20 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/o

Pkg. 10

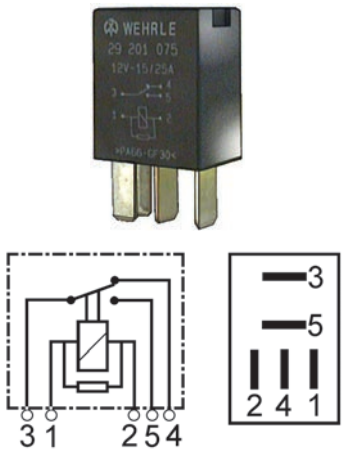


160366 Micro Relay
12 **V,** 15/25 **A**, **Type** Change Over, **Terminals** 5, **Bracket** w/o, **Diode** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

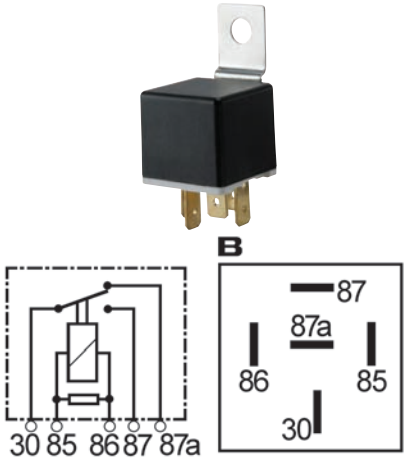
O.E.M. names and numbers are used for reference purposes only.

Pkg. 10



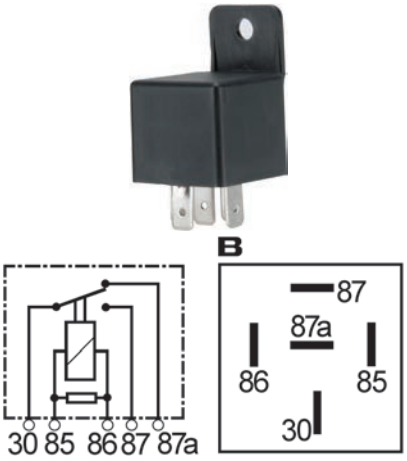
160367 Micro Relay
12 **V,** 15/25 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o, **Resistor** w/

Pkg. 10



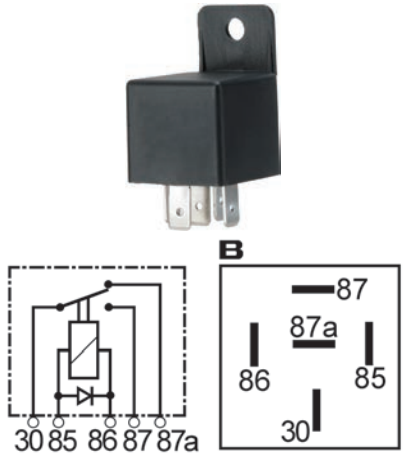
160403 Relay
12 **V,** 20/30 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/

Pkg. 10



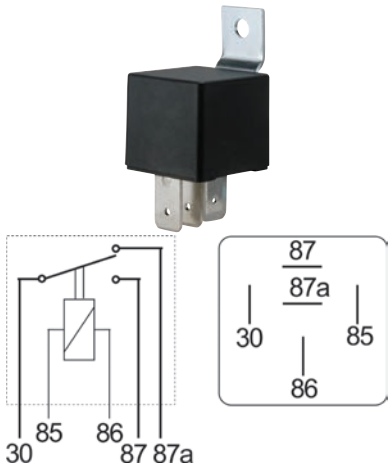
160932 Relay
12 **V,** 40/15 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/

Pkg. 10



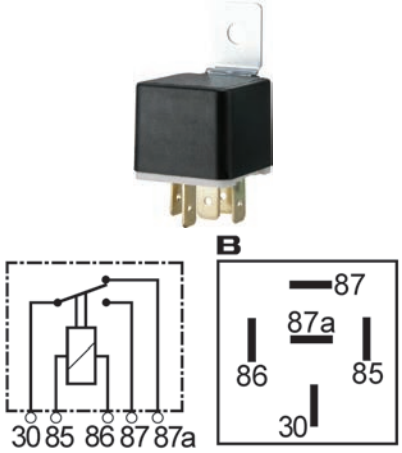
160942 Relay
12 **V,** 40/15 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/
diode

Pkg. 10



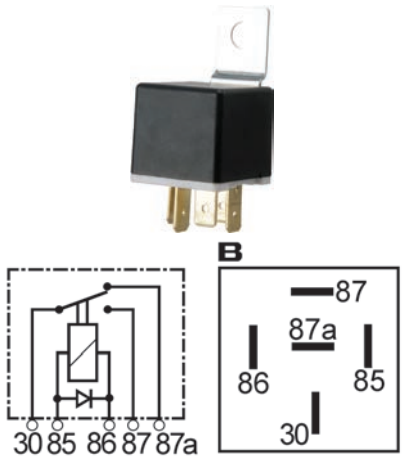
160974 Relay
12 **V,** 40/70 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Change Over - 24V



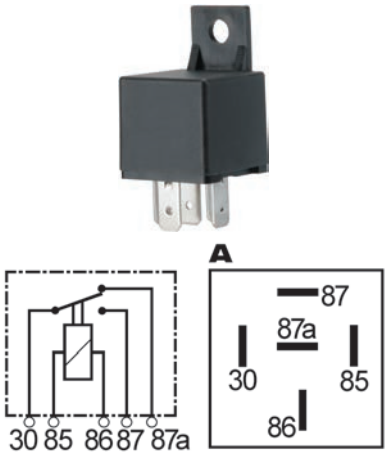
160216 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Pkg. 10



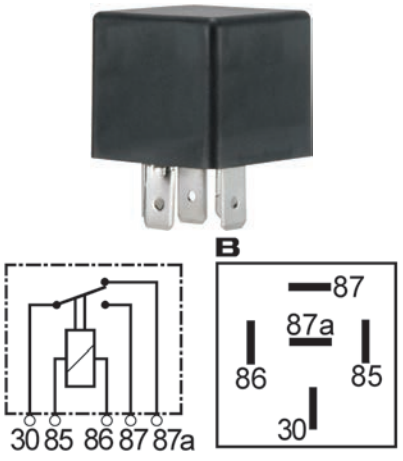
160271 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Diode** w/

Pkg. 10



160317 Relay
24 **V,** 10/22 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Pkg. 10

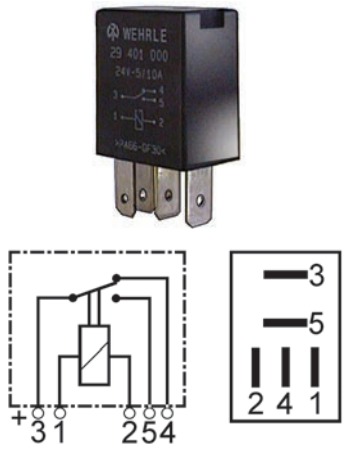


160337 Relay
24 **V,** 10/22 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o

O.E.M. names and numbers are used for reference purposes only.

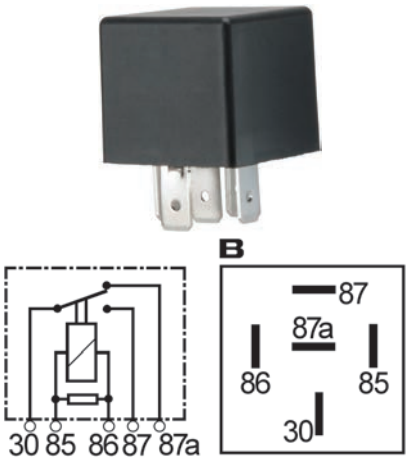
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



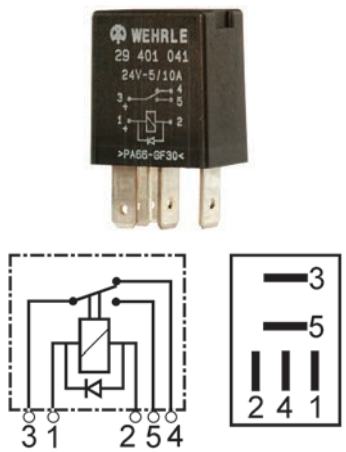
160368 Micro Relay
24 **V,** 4/10 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o

Pkg. 10



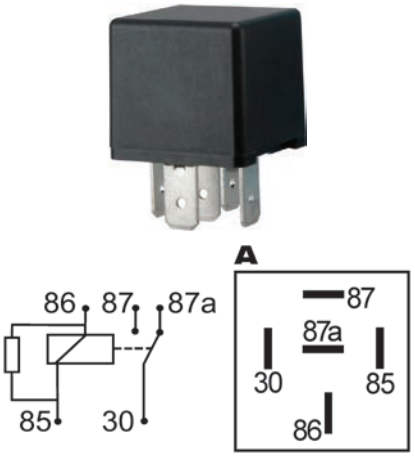
160394 Relay
Servicing: Mercedes, Iveco, Audi
24 **V,** 40/60 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o, **Resistor** w/

Pkg. 10



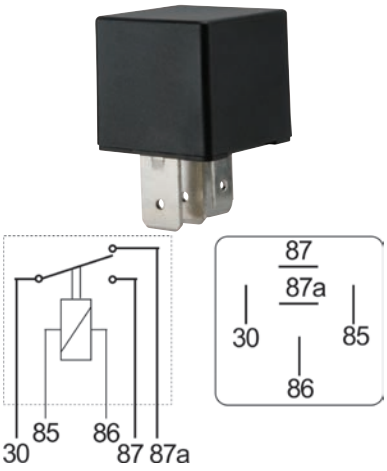
160521 Micro Relay
24 **V,** 5/10 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o, **Diode** w/

Pkg. 10



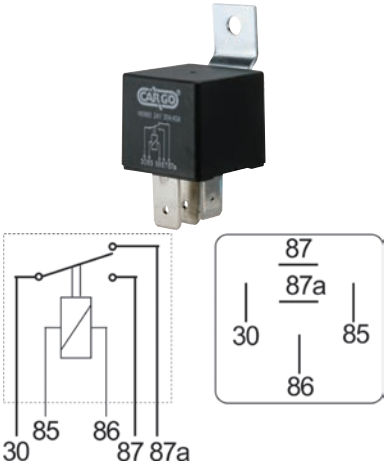
160944 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/, **Resistor** w/

Pkg. 10



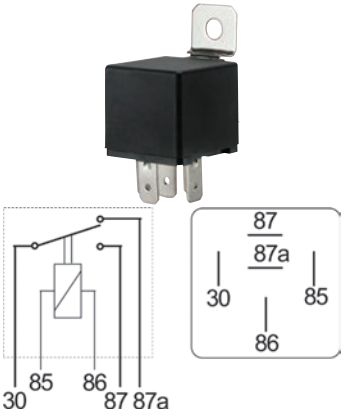
160976 Relay
24 **V,** 30/50 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/o

Pkg. 10



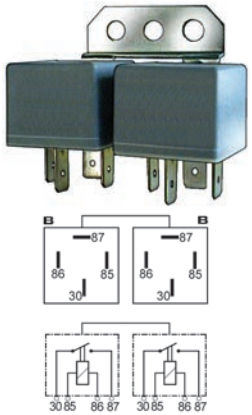
160980 Relay
24 **V,** 30/40 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

Pkg. 10



160981 Relay
24 **V,** 10/20 **A**, **Type** Change Over,
Terminals 5, **Bracket** w/

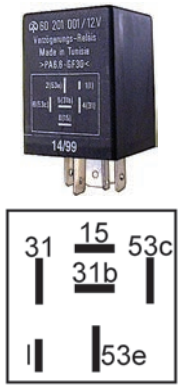
Twin



160267 Twin Relay
Servicing: VW
12 **V,** 2x30 **A**, **Terminals** 2x4, **Bracket** w/

Time Delay - 12V

Pkg. 10

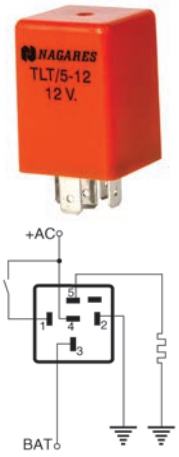


160297 Time Delay Relay
Servicing: Alfa Romeo, Opel, Audi, VW, Renault, Citroen, Peugeot, Volvo, Seat, Saab, Porsche, Skoda, Ford, Vauxhall, Alfa Romeo
12 **V, Delay time** 3.5, **Terminals** 6, **Bracket** w/o
For windshield wiper and washer. Also for universal use.

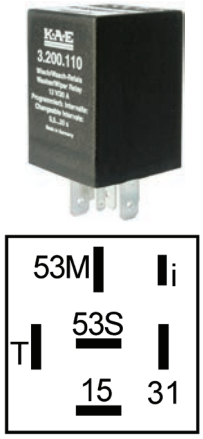
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

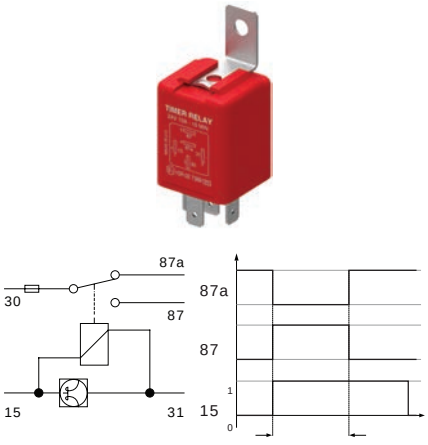
Pkg. 10



160570 Relay Time Delay
Servicing: Universal
12 **V,** **Delay time** 10 min., **Terminals** 5, **Bracket** w/o



160749 Relay
Servicing: Audi, VW
12 **V**, **Terminals** 6, **Bracket** w/o
Washing/wiper unit w/ changeable intervals. 0.5 sec - 2 min.

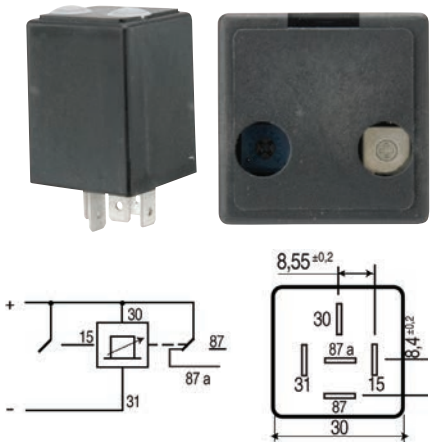


160992 Time Delay Relay
12 **V,** 20 **A**, **Type** Delay off,
Delay time 3.5 sec, **Terminals** 5,
Bracket w/

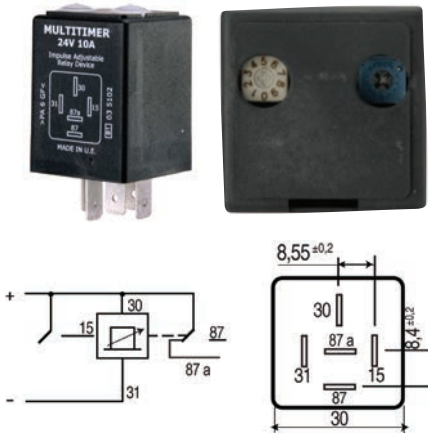
Time Delay - 24V

160466 Time Delay Relay
24 **V, Delay time** 4 sec, **Terminals** 5, **Bracket** w/o
For A/C compressor, bus doors and time delayed motors.

Multitimer



160927 Multitimer Relay
12 **V,** 10 **A**, **Terminals** 5, **Bracket** w/o
0.5 sec.-6 hours.



160928 Multitimer Relay
24 **V,** 10 **A**, **Terminals** 5, **Bracket** w/o, **Fuse** w/o, **Resistor** w/o
0.5 sec.-6 hours.

Multi Plugs

Pkg. 10

190766 Relay Multiplug
Type Socket, **No./poles** 9, **Plug** Female
Sockets can be built together. 5x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.

Pkg. 10

190767 Relay Multiplug
Type Socket, **Type/terminal** Flat, **No./poles** 5
6.3 mm.

Pkg. 10

191026 Relay Multiplug
Type Socket, **No./poles** 9
Sockets can be built together. 2x9.5 mm flat plug terminals. 3x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.

Pkg. 10

191752 Relay Multiplug
Type Socket, **No./poles** 5
Sockets can be built together. 2x6.3 mm flat plug terminals. 3x4.7 mm flat plug terminals.

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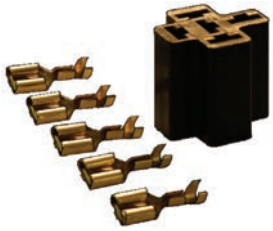
Available while stock last, * Program development.

Pkg. 10

192761 Relay Multiplug
Type Socket, **Type/terminal** Flat, **No./poles** 5
6.3 mm. For PCB mounting.

Kits

192158 Relay Multiplug Kit
Contents: 1x Cargo 190766, 5x Cargo 190252, 4x Cargo 191083.



192159 Relay Multiplug Kit
Content: 1x Cargo 190767, 5x Cargo 190252.

192160 Relay Multiplug Kit
Contents: 1x Cargo 191026, 2x Cargo 191025, 3x Cargo190252, 4x Cargo 191083.

192161 Relay Multiplug Kit
Content: 1x Cargo 191752, 2x Cargo 190252, 3x Cargo 191089.

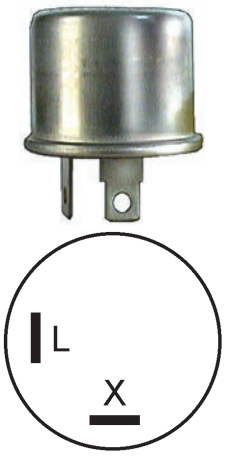
Boxes

191410 Relay Box
Regulator type Standard, **Colour** Transparent, **Capacity** 4, **Assembling** Yes, **Terminals** w/, **Lock** w/
Can be assambled in rows (terminals: Cargo 190252 or 191029).

191818 Relay Box
Regulator type Micro, **Colour** Transparent, **Capacity** 7, **Assembling** Yes, **Terminals** w/, **Lock** w/
Can be assambled in rows (terminals: Cargo 190252 or 191029).

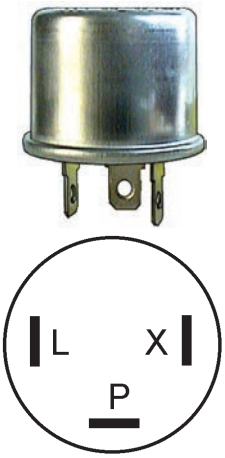
Flasher Units - 12V

Pkg. 10

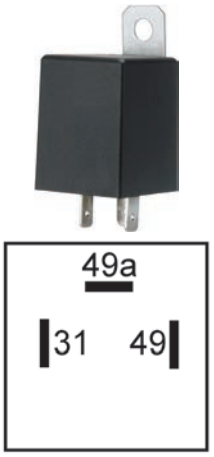


160115 Flasher Unit
12 **V,** 138 **W, Terminals** 2

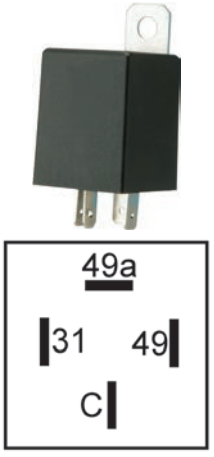
Pkg. 10



160116 Flasher Unit
12 **V,** 138 **W, Terminals** 3



160242 Flasher Unit
Servicing: Alfa Romeo, Audi, Bedford, Ford, Nissan, Opel, Toyota
12 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/

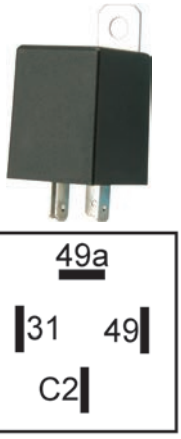


160243 Flasher Unit
Servicing: Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Iveco, Lada, Lancia, Mercedes-Benz, Opel, Peugeot, Porsche
12 **V,** 2/4x21 **W, Terminals** 4, **Bracket** w/

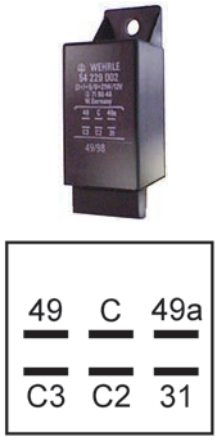
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

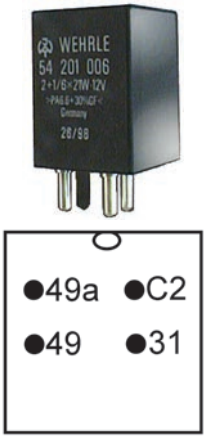
Pkg. 10



160244 Flasher Unit
Servicing: Audi, Austin, BMW, Citroen, Daihatsu, Fiat, Ford, Honda, Lada, Lancia, Lexus, Mazda, Mercedes-Benz, Mitsubishi, Nissan
12 **V,** 2+1/6x21 **W, Terminals** 4, **Bracket** w/
For vehicles w/ towbars.

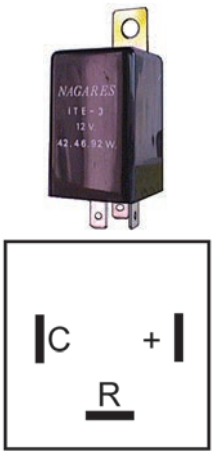


160263 Flasher Unit
12 **V,** 2+1+1/8x21 **W, Terminals** 6, **Bracket** w/



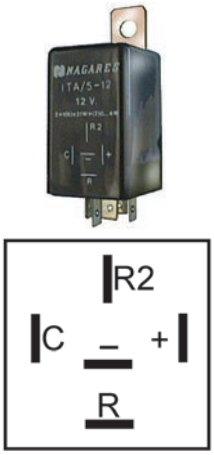
160305 Flasher Unit
Servicing: Mercedes-Benz
12 **V,** 2+1/6x21 **W, Terminals** 4, **Bracket** w/o
For vehicles w/ towbars.

Pkg. 10



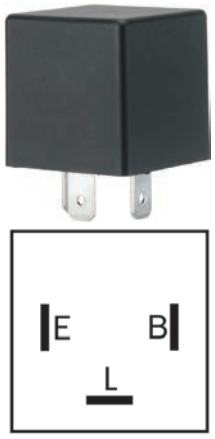
160312 Flasher Unit
12 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).

Pkg. 10



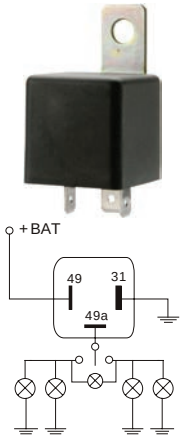
160314 Flasher Unit
Servicing: Alfa Romero, Renault, Fiat, Lancia, Lada, Alfa Romeo, BMW, Fiat, Lada, Lancia, Renault
12 **V,** 2+1/6x21 **W, Terminals** 5, **Bracket** w/
For vehicles w/ towbars. For SAE standard vehicles (France, Italy, USA, Spain).

Pkg. 10



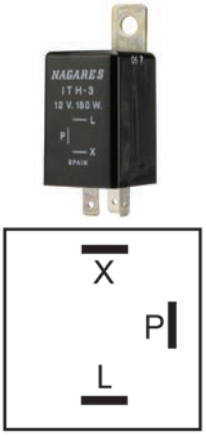
160315 Flasher Unit
Servicing: Japanere
12 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/o

Pkg. 10



160318 Flasher Unit
12 **V,** 3/92 **W, Plug type** Flat, **Terminals** 3, **Bracket** w/
Universal.

Pkg. 10

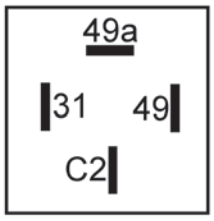


160341 Flasher Unit
Servicing: Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Lada, Mercedes-Benz, Opel, Peugeot, Porsche
12 **V,** 16 **A,** 180 **W, Terminals** 3, **Bracket** w/

O.E.M. names and numbers are used for reference purposes only.

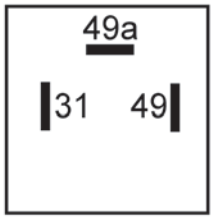
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



160402 Flasher Unit
12 **V,** 2+1/6x21 **W, Height** 30 mm, **Terminals** 4+2 in top, **Bracket** w/o
For vehicles w/ towbars.

Pkg. 10



160474 Flasher Unit
12 **V,** 2/4x21 **W, Height** 30 mm, **Terminals** 3, **Bracket** w/o

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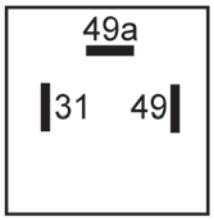
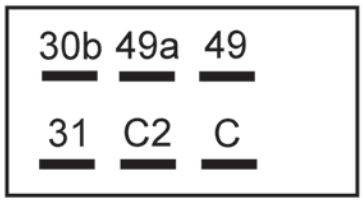
Pkg. 10



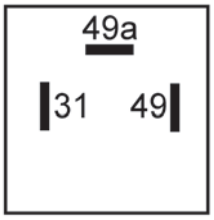
160475 Flasher Unit
12 **V,** 2+1/6x21 **W, Terminals** 3+2 in top, **Bracket** w/o
For vehicles w/ towbars.

160791 Flasher Unit
Servicing: BMW, Saab
12 **V, Terminals** 7, **Bracket** w/o

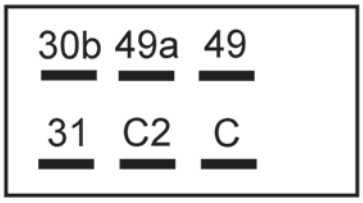
Flasher Units - 24V



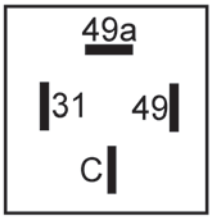
160199 Flasher Unit
Servicing: Mazda, Volvo
24 **V,** 3+1/8x21 **W, Terminals** 6, **Bracket** w/



160261 Flasher Unit
Servicing: Mercedes-Benz
24 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/

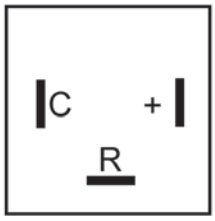


160262 Flasher Unit
24 **V,** 2+1/6x21 **W, Terminals** 6, **Bracket** w/



160296 Flasher Unit
24 **V,** 2/4x21 **W, Terminals** 4, **Bracket** w/

Pkg. 10



160313 Flasher Unit
24 **V,** 2/4x21 **W, Terminals** 3, **Bracket** w/
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

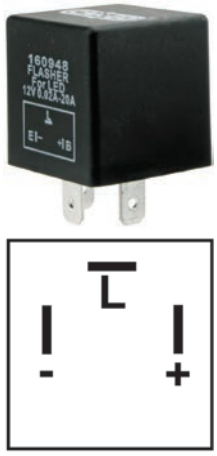
Pkg. 10

160716 Flasher Unit
24 **V,** 500 **W, Plug type** Flat, **Terminals** 3, **Bracket** w/

Flasher Units - 12V

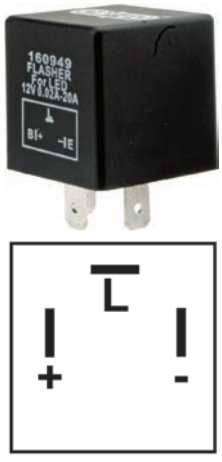
w/LED

Pkg. 10



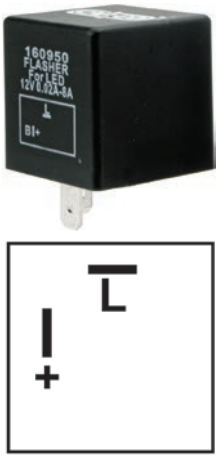
160948 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 3, **Bracket** w/o

Pkg. 10



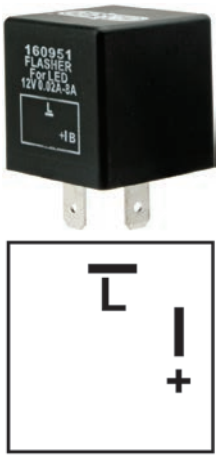
160949 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 3, **Bracket** w/o

Pkg. 10



160950 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 2, **Bracket** w/o

Pkg. 10



160951 Flasher Unit
12 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 2, **Bracket** w/o

160954 i-LS sensor
12 **V, Height** 26 mm, **Terminals** 3, **Bracket** w/o
In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of »lamp failure warning«.

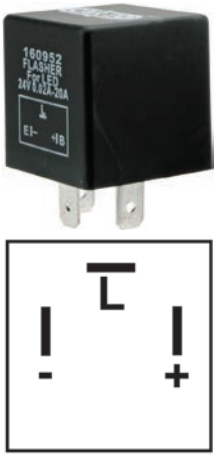
160956 Flasher Unit i-LS
Servicing: Vehicles w/ 2 LED lamps on front or rear
12 **V, Terminals** 3, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

160957 Flasher Unit i-LS
Servicing: Vehicles w/ trailer, w/ 2 LED lamps
12 **V, Terminals** 4, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

Flasher Units - 24V

w/LED

Pkg. 10



160952 Flasher Unit
24 **V,** 0.1-150 **W, Height** 30 mm, **Plug type** Flat, **Terminals** 3, **Bracket** w/o

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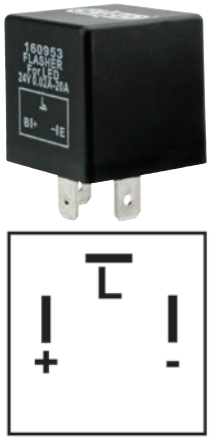
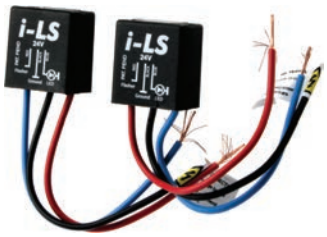
Available while stock last, * Program development.

Pkg. 10



160953 Flasher Unit
24 **V,** 0.1-150 **W, Height** 30 mm,
Plug type Flat, **Terminals** 3,
Bracket w/o



160955 i-LS Sensor
24 **V**
In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of »lamp failure warning«.

160958 Flasher Unit i-LS
Servicing: Vehicles w/ 2 LED lamps on front or rear
24 **V, Terminals** 3, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

160959 Flasher Unit i-LS
Servicing: Vehicles w/ trailer, w/ 2 LED lamps
24 **V, Terminals** 4, **Bracket** w/
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of »lamp failure warning« by installed LED lamps.

Battery Terminals

Brass Casting

25-35 mm²

Pkg. 25

192368 Battery Terminal
Cable size/max 35 mm²,
Cable size/min 25 mm²,
Material Moulded brass, **Polarity** Positive

Pkg. 25

192369 Battery Terminal
Cable size/max 35 mm²,
Cable size/min 25 mm²,
Material Moulded brass, **Polarity** Negative

w/10 mm Bolt

Pkg. 25

192400 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Positive

Pkg. 25

192401 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Negative

w/M10 Bolt and Wing Nut

Pkg. 25

192402 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Positive
w/ wing nut.

Pkg. 25

192403 Battery Terminal
Material Moulded brass,
Cable connection 10 mm bolt,
Polarity Negative
w/ wing nut.

25 mm²

Pkg. 25

192163 Battery Terminal
ID 19 mm, **Cable size/max** 25 mm²,
Material Moulded brass, **Polarity** Positive

Pkg. 25

192164 Battery Terminal
ID 17 mm, **Cable size/max** 25 mm²,
Material Moulded brass, **Polarity** Negative

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

w/Switch

192493 Battery Terminal
Solenoid w/, **Material** Moulded brass, **Polarity** Negative, **Cable w/fuse** Yes

25-35 mm²

Tin Plated

Pkg. 25

190012 Battery Terminal
Cable size/max 35 mm², **Cable size/min** 25 mm², **Material** Moulded brass, **Cable connection** 8 mm bolt, **Polarity** Positive, **Tin plated** Yes

Pkg. 25

190013 Battery Terminal
Cable size/max 35 mm², **Cable size/min** 25 mm², **Material** Moulded brass, **Cable connection** 8 mm bolt, **Polarity** Negative, **Tin plated** Yes

35-95 mm²

Tin Plated

Pkg. 20

191166 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

Pkg. 20

191167 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

Pkg. 20

193000 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes
Heavy duty.

Pkg. 20

193001 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes
Heavy duty.

35 mm²

Tin Plated

Pkg. 25

191244 Battery Terminal
Cable size/max 35 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

Pkg. 25

191245 Battery Terminal
Cable size/max 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

50 mm²

Tin Plated

Pkg. 25

190202 Battery Terminal
Cable size/max 50 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 25

190203 Battery Terminal
Cable size/max 50 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

70 mm²

Tin Plated

Pkg. 20

191989 Battery Terminal
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Positive, **Tin plated** Yes

Pkg. 20

191990 Battery Terminal
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes

193166 Battery Terminal +
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Positive, **No./connections** 2, **Tin plated** Yes

193167 Battery Terminal -
Cable size/max 70 mm², **Material** Moulded brass, **Polarity** Negative, **No./connections** 2, **Tin plated** Yes

w/10 mm Bolt

Tin Plated

Pkg. 25

190213 Battery Terminal
Material Moulded brass, **Cable connection** 10 mm bolt, **Polarity** Positive, **Tin plated** Yes

Pkg. 25

190214 Battery Terminal
Material Moulded brass, **Cable connection** 10 mm bolt, **Polarity** Negative, **Tin plated** Yes

35-95 mm²

Tin Plated w/Double Screw

Pkg. 15

190866 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Cable connection** Dual, **Polarity** Positive, **Tin plated** Yes
w/ double screws and screw for AUX.

Pkg. 15

190867 Battery Terminal
Cable size/max 95 mm², **Cable size/min** 35 mm², **Material** Moulded brass, **Polarity** Negative, **Tin plated** Yes
w/ double screws and screw for AUX.

w/M10 Bolt and Wing Nut

Tin Plated

Pkg. 20

191133 Battery Terminal
Material Moulded brass, **Cable connection** 10 mm bolt, **Polarity** Positive, **Tin plated** Yes
w/ wing nut.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 20

191134 Battery Terminal
Material Moulded brass,
Cable connection 8 mm bolt,
Polarity Negative, **Tin plated** Yes
w/ wing nut.

Tin Plated

Pkg. 25

190211 Battery Terminal
Servicing: Fiat, Mazda, Suzuki, Nissan
Material Moulded brass, **Polarity** Positive,
Tin plated Yes

Pkg. 25

190212 Battery Terminal
Servicing: Fiat, Mazda, Suzuki, Nissan
Material Moulded brass,
Polarity Negative, **Tin plated** Yes

Accessories

Pkg. 100

190215 Nut & Bolt
Collar length 38 mm, **Thread size** M8

Pkg. 10

192681 Terminal Cover
Length 52 mm, **Colour** Red,
Material PVC

Pkg. 10

192682 Terminal Cover
Length 52 mm, **Colour** Black,
Material PVC

Pkg. 10

192888 Terminal Cover Right +
Length 52 mm, **Colour** Red,
Material PVC

Pkg. 10

192889 Terminal Cover Left -
Length 52 mm, **Colour** Black,
Material PVC

Pkg. 10

192890 Terminal Cover Left -
Length 52 mm, **Colour** Red,
Material PVC

Pkg. 10

192891 Terminal Cover Right -
Length 52 mm, **Colour** Black,
Material PVC

Formpressed

25-40 mm²

191820 Battery Terminal
ID 19 mm, **Cable size/max** 40 mm²,
Cable size/min 25 mm²,
Material Compressed, **Polarity** Positive,
No./connections 2,
Terminal: Cargo 191822, -827.

3 Terminal Outlets

191821 Battery Terminal
ID 19 mm, **Material** Compressed,
Polarity Positive, **No./connections** 3,
Terminal: Cargo 191822, -829.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

192234 Battery Terminal
ID 17 mm, **Material** Compressed, **Polarity** Negative, **No./connections** 3,
Terminal: Cargo 191822, -829.

10-20 mm²

17 mm

Pkg. 10

192074 Battery Terminal
ID 17 mm, **Cable size/max** 20 mm², **Cable size/min** 10 mm², **Material** Compressed, **Polarity** Negative

25-35 mm²

17 mm

Pkg. 10

192075 Battery Terminal
ID 17 mm, **Cable size/max** 35 mm², **Cable size/min** 25 mm², **Material** Compressed, **Polarity** Negative

Pkg. 10

192076 Battery Terminal
ID 17 mm, **Cable size/max** 35 mm², **Cable size/min** 25 mm², **Material** Compressed, **Polarity** Positive
For M8 stud connection.

For French Applications

Pkg. 5

190253 Battery Terminal
ID 19 mm, **Colour** Red, **Material** Compressed, **Polarity** Positive
For french applications.

Pkg. 5

190254 Battery Terminal
ID 17 mm, **Colour** Green, **Material** Compressed, **Polarity** Negative
For french applications.

Leads and Earth Straps

Pkg. 10

190218 Battery Connection Cable
Angled 90°, **Length** 300 mm, **Cable size/max** 35 mm², **Type no. 2612,** **No./wires** 1008/0.2

Pkg. 10

190220 Earth Strap
110 **A**, **Length** 200 mm, **Cable size/max** 22 mm², **Type no. 308,** **No./wires** 432/0.26

Pkg. 10

190221 Earth Strap
110 **A**, **Length** 250 mm, **Cable size/max** 22 mm², **Type no. 310,** **No./wires** 432/0.26

Pkg. 10

190222 Earth Strap
110 **A**, **Length** 300 mm, **Cable size/max** 22 mm², **Type no. 312,** **No./wires** 432/0.26

Pkg. 10

190223 Earth Strap
110 **A**, **Length** 350 mm, **Cable size/max** 22 mm², **Type no. 314,** **No./wires** 432/0.26

Pkg. 10

190224 Earth Strap
110 **A**, **Length** 400 mm, **Cable size/max** 22 mm², **Type no. 316,** **No./wires** 432/0.26

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

190225 Earth Strap
110 **A**, **Length** 400 mm,
Cable size/max 22 mm², **Type no. 318,**
No./wires 432/0.26

Pkg. 10

190226 Earth Strap
110 **A**, **Length** 500 mm,
Cable size/max 22 mm², **Type no. 320,**
No./wires 432/0.26

Pkg. 10

190228 Earth Strap
82 **A**, **Length** 200 mm,
Cable size/max 16 mm², **Type no. 408,**
No./wires 228/0.25

Pkg. 10

190229 Earth Strap
82 **A**, **Length** 250 mm,
Cable size/max 16 mm², **Type no. 410,**
No./wires 228/0.25

Pkg. 10

190230 Earth Strap
82 **A**, **Length** 350 mm,
Cable size/max 16 mm², **Type no. 414,**
No./wires 228/0.25

Pkg. 10

190231 Earth Strap
82 **A**, **Length** 400 mm,
Cable size/max 16 mm², **Type no. 418,**
No./wires 228/0.25

Pkg. 10

190232 Earth Strap
82 **A**, **Length** 450 mm,
Cable size/max 16 mm², **Type no. 418,**
No./wires 228/0.25

Pkg. 10

190235 Starter Cable
Length 300 mm, **Cable size/max** 25 mm²,
Type no. 510, No./wires 742/0.2

Pkg. 10

190237 Starter Cable
Length 500 mm, **Cable size/max** 25 mm²,
Type no. 520, No./wires 742/0.2

Pkg. 10

190239 Starter Cable
Length 700 mm, **Cable size/max** 25 mm²,
Type no. 528, No./wires 742/0.2

Pkg. 10

190242 Starter Cable
Length 1000 mm,
Cable size/max 25 mm², **Type no. 540,**
No./wires 742/0.2

Pkg. 10

191679 Battery Connection Cable
Angled 90°, **Length** 300 mm,
Cable size/max 50 mm², **Type no. 2712,**
No./wires 378/0.41

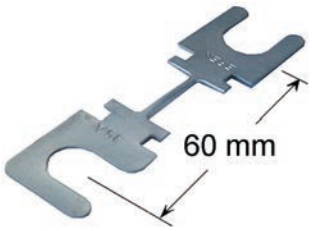
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Fuses

Strip

Pkg. 10



192305 Strip Fuse
36 **V,** 35 **A**, **Lever dim.** 11 mm, **Mount. dist.** 60 mm, **Length** 82 mm, **Type** Plate, **DIN no.** 43560
Big size.

Circuit Breakers

ATO Blade Fuse Type

192936.....5 **A**
192937.....7.5 **A**
192938.....10 **A**
192939.....15 **A**
192940.....20 **A**
192941.....25 **A**
192999.....30 **A**

Maxi Blade Fuse Type

192942.....10 **A**
192943.....15 **A**
192944.....20 **A**
192945.....25 **A**
192946.....30 **A**
192947.....35 **A**
192948.....40 **A**
192949.....50 **A**

Relay & Switches

Circuit Breakers

Panel Mount Type

192953 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V,** 2.5 **A**, **Length** 66 mm, **Type** Panel mounted, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192954 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V,** 5 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192955 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V,** 7 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192956 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V,** 10 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192957 Circuit Breaker
Servicing: Motors, transformers, extra low voltage systems, household and office machines, instrumentation, marine applications
Multi **V,** 15 **A**, **Length** 66 mm, **Type** Thermo contact, **Plug type** Flat
Switch/thermal circuit breaker w/ reset actuation mechanism. Designed for snap-in panel mounting utilising round hole or industy standard fuse holder cut dimension. AC 250 V, DC 28 V.

192959 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 5 **A**, **Length** 79.4 mm, **Type** Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

192960 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 7 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192961 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 10 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192962 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 15 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192963 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 20 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192964 Circuit Breaker
Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems
Multi **V,** 25 **A**, **Length** 79.4 mm,
Type Thermo contact, **Plug type** Flat
Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm.

192966 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 2.5 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192967 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 5 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192968 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 8 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192969 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 10 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192970 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 15 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

192971 Circuit Breaker
Servicing: Motor protection, transformer protection, household appliances and office equipment, electrical tools, mobile homes
Multi **V,** 20 **A**, **Type** Thermo contact, **Plug type** Flat
IP66, LED illuminated. Panel hole 36.8x21.1 mm. Optional rocker colour.

Accessories

Pkg. 5

192958 Water Splash Cover
Servicing: Cargo 192953, -192957
OD 20.5 mm, **Length** 17.8 mm,
Colour Transparent, **Material** Rubber
IP64.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 5

192965 Splash Proof Cover
Servicing: Cargo 192959, 192964

Pkg. 5

192972 Blue Cover
Servicing: Cargo 192966, 192971
Colour Blue
For circiut breaker.

Pkg. 5

192973 Black Cover
Servicing: Cargo 192966, 192971
Colour Black
For circiut breaker.

Pkg. 5

192974 Green Cover
Servicing: Cargo 192966, 192971
Colour Green
For circiut breaker.

Switches

Push Button

Spare Parts

Pkg. 10

181272 Rubber Boot
Servicing: Cargo 180049, 180040, 180215
Moulded.

Ignition/Light

180045 Ignition/Light Switch
Mount. hole size 26.5 mm,
Switch combination Parkinglight-off-ignition-sidelight-DRL, **No./keys** 2,
Terminals 6
Spare key: Cargo 180341.

180324 Ignition/Light Switch
Mount. hole size 26.5 mm,
Switch combination Parkinglight-off-ignition-sidelight-DRL, **No./keys** 2,
Terminals 7
Spare key: Cargo 180341.

Diesel Starter

180044 Ignition Switch
Servicing: Deutz, IH
Mount. hole size 26.5 mm,
Switch combination Parking light-off-ignition-glow-start, **Protection degree** IP 63,
Terminals 10, **DIN norm** 40050
Supplied w/ 2 keys. Spare key: Cargo 180340. Multiplug: Cargo 181595, 181596.

181235 Ignition Switch
Servicing: Massey Ferguson
Mount. hole size 16 mm,
Switch combination Off-ignition-glow-start, **Positions** 4, **No./keys** 2,
Terminals 6
Spare key: Cargo 181465.

181236 Ignition Switch
Servicing: Massey Ferguson
Mount. hole size 16 mm,
Switch combination Off-Ignition-start,
Positions 4, **No./keys** 2, **Terminals** 4
Spare key: Cargo 181465.

181237 Ignition Switch
Servicing: Massey Ferguson
Mount. hole size 16 mm,
Switch combination Off-aux-ignition-glow-start, **Positions** 5, **No./keys** 2,
Terminals 7
Spare key: Cargo 181465.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

181598 Rubber Boot
Servicing: Cargo 180044

Ignition Starter

180027 Ignition Starter Switch
Mount. hole size 18.5 mm,
Switch combination Off-Start,
No./keys 2, **Terminals** 5
Spare key: Cargo 180339. Multiplug: Cargo 181597.

180041 Ignition Starter Switch
Mount. hole size 26.5 mm,
Switch combination Parking light-off-start,
Protection degree IP 63, **No./keys** 2,
Terminals 7, **DIN norm** 40050
Spare key: Cargo 180340.

180043 Ignition Starter Switch
Mount. hole size 18.5 mm,
Switch combination Off-aux-ignition-start,
No./keys 2, **Terminals** 4
Spare key: Cargo 180339.

181518 Ignition Starter Switch
Mount. hole size 22.5 mm,
Switch combination Off-Ignition-start,
Positions 1 (start), **No./keys** 2,
Terminals 5
Spare key: Cargo 180339.

Spare Keys

Pkg. 10

180339 Spare Key
Servicing: Cargo 180025, 180027, 180043

Pkg. 10

180340 Spare Key
Servicing: Cargo 180041, 180044

Pkg. 10

180341 Spare Key
Servicing: Cargo 180045, 180324

Pkg. 10

181465 Spare Key
Servicing: Cargo 181235, 181236, 181237
Material Metal

Cable & Wiring

Charging Clips

Pkg. 5

192196 Charging Clips
275 **A**, **Cable dim.** 16 mm², **Colour** Red,
Material Moulded brass

Pkg. 5

192197 Charging Clips
275 **A**, **Cable dim.** 16 mm²,
Colour Black, **Material** Moulded brass

Pkg. 5

192293 Charging Clips
420 **A**, **Cable dim.** 35-50 mm²,
Colour Red
Lenght: 210 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 5

192294 Charging Clips
420 **A**, **Cable dim.** 35-50 mm², **Colour** Black
Lenght: 210 mm.

Pkg. 5

192386 Charging Clips
275 **A**, **Cable dim.** 16 mm², **Colour** Red, **Material** Moulded brass

Pkg. 5

192387 Charging Clips
275 **A**, **Cable dim.** 16 mm², **Colour** Black, **Material** Moulded brass

Pkg. 5

192388 Charging Clips
320 **A**, **Cable dim.** 25 mm², **Colour** Red, **Material** Moulded brass

Pkg. 5

192389 Charging Clips
320 **A**, **Cable dim.** 25 mm², **Colour** Black, **Material** Moulded brass

Pkg. 5

192390 Charging Clips
420 **A**, **Cable dim.** 50 mm², **Colour** Red, **Material** Moulded brass

Pkg. 5

192391 Charging Clips
420 **A**, **Cable dim.** 50 mm², **Colour** Black, **Material** Moulded brass

192903 Charging Clips
1200 **A**, **Cable dim.** 25-50 mm², **Colour** Red, **Material** Brass, **Fully insulated** No, **Braided link** w/o

192904 Charging Clips
1200 **A**, **Cable dim.** 25-50 mm², **Colour** Black, **Material** Brass, **Fully insulated** No, **Braided link** w/o

Fully Insulated

Pkg. 5

192204 Charging Clips
600 **A**, **Cable dim.** 25-50 mm², **Colour** Red, **Fully insulated** Yes, **Braided link** w/

Pkg. 5

192205 Charging Clips
600 **A**, **Cable dim.** 25-50 mm², **Colour** Black, **Fully insulated** Yes, **Braided link** w/

Pkg. 5

192398 Charging Clips
600 **A**, **Cable dim.** 50 mm², **Colour** Red, **Fully insulated** Yes, **Braided link** w/

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 5

192399 Charging Clips
600 **A**, **Cable dim.** 50 mm², **Colour** Black, **Fully insulated** Yes, **Braided link** w/

Pkg. 5

192559 Charging Clips 500A
500 **A**, **Cable dim.** 25-50 mm², **Colour** Red, **Material** Moulded brass, **Fully insulated** Yes
Ergonomic.

Pkg. 5

192560 Charging Clips 500A
500 **A**, **Cable dim.** 25-50 mm², **Colour** Black, **Material** Moulded brass, **Fully insulated** Yes
Ergonomic.

Cables

Booster

Brass Charging Clips

192209 Booster Cables
230 **A**, **Conductor dim. 1** 25 mm², **Conductor dim. 2** 770/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

192210 Booster Cables
290 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 1083/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

Pkg. 2

192211 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

Pkg. 2

192212 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

192295 Booster Cables
135 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 265/0.41 mm, **Length** 3.5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2

192296 Booster Cables
160 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 378/0.41 mm, **Length** 5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2

192844 Booster Cables
Conductor dim. 1 35 mm², **Conductor dim. 2** 1008/0.2 mm, **Length** 5 m, **Colour** Red/black, **Material** Moulded brass, **No./wires** 2, **BS-approved** BS638

Fully Insulated Clips

192213 Booster Cables
290 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 1083/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **BS-approved** BS638

192214 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **BS-approved** BS638

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

192215 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **BS-approved** BS638

192384 Booster Cables
290 **A**, **Conductor dim. 1** 35 mm², **Conductor dim. 2** 1083/0.2 mm, **Length** 3.5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **DIN no.** 72553

192385 Booster Cables
370 **A**, **Conductor dim. 1** 50 mm², **Conductor dim. 2** 1558/0.2 mm, **Length** 5 m, **Colour** Red/black, **No./wires** 2, Insulated return, **Braided link** w/, **DIN no.** 72553

Steel Clips

192206 Booster Cables
80 **A**, **Conductor dim. 1** 10 mm², **Conductor dim. 2** 79/0.4 mm, **Length** 2.5 m, **Colour** Red/black, **Material** Galvanised steel, **No./wires** 2

192207 Booster Cables
100 **A**, **Conductor dim. 1** 16 mm², **Conductor dim. 2** 126/0.4 mm, **Length** 2.5 m, **Colour** Red/black, **Material** Galvanised steel, **No./wires** 2

192208 Booster Cables
120 **A**, **Conductor dim. 1** 25 mm², **Conductor dim. 2** 188/0.4 mm, **Length** 2.5 m, **Colour** Red/black, **Material** Galvanised steel, **No./wires** 2

Clamps

Hose

Carbon steel, Alu/zinc
Width 10 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID
193027	8 mm	14 mm
193028	11 mm	17 mm
193029	13 mm	20 mm

Width 12 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID
193030	15 mm	24 mm
193031	19 mm	28 mm
193032	22 mm	32 mm
193033	26 mm	38 mm
193034	32 mm	44 mm
193035	38 mm	50 mm
193036	44 mm	56 mm
193037	50 mm	65 mm
193038	58 mm	75 mm
193039	68 mm	85 mm
193040	77 mm	95 mm
193041	87 mm	112 mm

Steel, Alu/zinc
Width 12 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID	Ref. no.
190160	15 mm	24 mm	25
190161	19 mm	28 mm	28
190162	22 mm	32 mm	32
190163	26 mm	38 mm	40
190164	32 mm	44 mm	45
190165	38 mm	50 mm	51
190166	44 mm	56 mm	56
190167	50 mm	65 mm	65
190168	58 mm	75 mm	75
190169	68 mm	85 mm	85
190170	77 mm	95 mm	96
190171	87 mm	112 mm	113
190172	104 mm	138 mm	139
191239	130 mm	165 mm	166

Width 9 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID	Ref. no.
190157	8 mm	14 mm	15
190158	11 mm	17 mm	17
190159	13 mm	20 mm	22

Mini

Steel, Alu/zinc
Width 9 mm
Spanner size 7 mm
Pkg. 50

	Min ID	Max ID	Ref. no.
190005	6 mm	8.3 mm	8
190006	7 mm	9.3 mm	9
190007	8 mm	10.3 mm	10
190008	9 mm	11.3 mm	10
190009	9 mm	12.3 mm	12
190010	10 mm	13.3 mm	13
190937	11 mm	14.3 mm	14
190938	12 mm	15.3 mm	15
191056	13 mm	16.3 mm	16
192054	14 mm	17.3 mm	17

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Tools

Hand Lamps

200181 Hand Lamp
230 **V,** 8 **W, Light power** 400 lm,
Length 510 mm, **Cable length** 5 mm,
Resistant Yes, **Hi impact** Yes, **Plug** w/,
Tightness norm IP 67, **Weight** 700 g
Works at temperature below zero. All parts are replaceable.

200635 Hand Lamp
230 **V,** 11 **W, Light power** 900 lm,
Length 455 mm, **Cable length** 5 mm,
Resistant Yes, **Hi impact** Yes, **Plug** w/,
Tightness norm IP 64, **Weight** 775 g
Four times more powerful than conventional hand lamps. Works at temperature below zero. All parts replaceable.
Resistant to oil, petrol and chemicals.

200728 Hand Lamp
230 **V,** 9 **W, Length** 390 mm,
Cable length 5 mm, **Resistant** Yes,
Hi impact Yes, **Plug** w/,
Tightness norm IP 64, **Weight** 720 g
Works at temperature below zero. All parts are replaceable.

200733 Hand Lamp
230 **V,** 8 **W, Length** 450 mm,
Cable length 5 mm, **Plug** w/,
Tightness norm IP 20, **Weight** 430 g

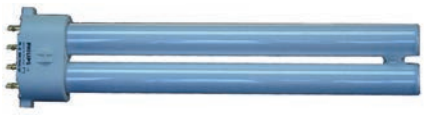
200837 Hand Lamp
230 **V,** 11 **W, Light power** 900 lm,
Length 450 mm, **Cable length** 5 mm,
Hi impact Yes, **Tightness norm** IP 65,
Weight 585 g

LED

200881 LED Hand Lamp
Dim. 220x55 mm, **Battery type** Li-ion,
Bulb type LED, **Magnet holder** Yes,
Rechargeable Yes, **Lamp head** Yes,
Wall charger 230V Yes, **Charger 12V** Yes,
Approvals CE

Spare Parts

Pkg. 10



170947 Fluorescent Tube
Servicing: Cargo 200728
9 **W, Tightness norm** IP 65

171573 Fluorescent Tube
Fluorescent twin tube 11 W. Base 2G7-4 pin.

200659 Electronic Part
Servicing: Cargo 200728, 200635
230 **W, Tightness norm** IP 65

Working Lamps

200781 Hand Lamp
230 **V,** 18 **W, Light power** 1200 lm,
Dim. 19x16x11 cm, **Cable length** 5 mm,
Tightness norm IP 44, **Weight** 1600 g
Compact lamp w/ numerous possibilities.
Impact resistant plastic housing.
Fluorescent tubes: Cargo 170959.

Spare Parts

Pkg. 10

170959 Fluorescent Tube
Servicing: Cargo 200781
9 **W**
For Helio lamps. Socket 623 2-pin.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10

170960 Fluorescent Tube
For Helio lamps.

Hose Clamp Screwdrivers

210249 Hose Clamp Screwdriver
Flexible.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Electrical Parts & Engine Management

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Camera & Parking Sensors

CCTV Rear Observation System

160775 Rear Observation Kit
12/24 **V,** **Extension cable** 20 m,
Depth 50.8 mm, **Height** 140 mm,
Width 191, **Display size** 7«,
Type Camera kit, **Camera type** Colour,
Accessories DVD, **Monitor** LED,
No./cameras 4+1, **Audio** Yes,
Infrared w/, **Extra camera** w/
• High quality 7« TFT/LCD (9:16) Monitor w/ On Screen Display (OSD) .
• Support 4 CCD inputs.
• Support spilt picture (double and quad).
• Provide 2 video signal output (live and quad).
• Quad signal output can be recorded via Mobile-DVR.
• Provede designated picture when pressing „Jump“ key.
• User friendly OSD control by encoder switch.
• Individually adjusted CCD mirror function through OSD.
• Provide distance gauge when shifting to reverse gear.
• Support DVD, VCD or game station connecting to AV.
• Auto turn On via triggercable to reverse, camera 1 and 2.
• Auto NTSC/PAL detection.
• Power source 12/24 V.
Colour camera (Cargo 160609)
• Waterproof aluminium housing for protection against foul weather, shock and vibration.
• Wide view angle, 150° diagonal.
• Infrered LED's for night vision.
• Built-in microphone.
• Protection degree: IP 67.
Connection cable (Cargo 160611)
• 20 mtr. (6pin Mini DIN)
Mounting parts & User Manual
Kit consisting of 1x7« monitor w/ quad: Cargo 160776. 1x colour camera w/ audio: Cargo 160796. 1x20 m extension cable: Cargo 160611.

160783 Rear Observation Kit
12/24 **V,** **Extension cable** 20 m,
Depth 50.8 mm, **Height** 140 mm,
Width 191, **Display size** 7«,
Type Camera kit, **Camera type** Colour,
Accessories DVD, **Monitor** LED,
No./cameras 3+1, **Audio** Yes,
Infrared w/, **Extra camera** w/
Kit consisting of 1x7« monitor: Cargo 160784. 1x colour camera: Cargo 160796. 1x20 m extension cabel: Cargo 160611.

160793 Rear View Mirror Monitor kit
12/24 **V,** **Display size** 4.3«,
Camera type Colour,
Accessories DVD, **No./cameras** 2,
Audio Yes, **Extra camera** w/o
w/o camera and extension cable. Camera: Cargo 160610, 160796. Extension cables use: Cargo 160611, 160612, 160613, 160672.

160886 Rear Observation Kit
12/24 **V,** **Extension cable** 20 m,
Depth 25 mm, **Height** 105 mm,
Width 155, **Display size** 5.8«,
Type Camera kit, **Camera type** Colour,
Monitor TFT-LCD, **No./cameras** max. 2,
Audio Yes, **Infrared** w/,
Extra camera w/
Consists: 1x5.8« monitor w/ remote control: Cargo 160898. 1x colour camera: Cargo 160887. 1x20 m extension cable: Cargo 160888.

160994 Rear Observation Kit
12-24 **V,** **Extension cable** 20 m,
Display size 7«, **Type** Camera kit,
Camera type Colour, **Monitor** TFT-LCD,
No./cameras max. 2, **Audio** Yes,
Infrared w/, **Extra camera** w/
Consists: 1x7« monitor w/ remote control: Cargo 160995. 1x colour camera: Cargo 160887. 1x20 m extension cable: Cargo 160888.

Cameras

160610 CCTV Camera
Servicing: Cargo 160775, 160783, 160793
12 **V,** **Light sensitivity** 0.1 lux, -
OD 30 mm, **Length** 70 mm, **Type** Colour,
Connection cable 6 pin mini DIN,
Colour Black, **Material** Aluminium,
Resolution TV lines >330,
Picture sensor 1/3« CCD, **Signal system** PAL,
Protection degree IP 68,
Shutter rate 1/50-1/100.000 sec., -
Microphone w/o, **Mirror function** w/,
Weight 0.200 kg
W/ original anoised finish and anti-fog glass. Wide angle 110° diagonal.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160796 Colour Camera w/ Audio
Servicing: Cargo 160775, 160783, 160793
12 **V, Light sensitivity** 0 lux,
Depth 60 mm,
Height 75 mm, **Width** 90 mm,
Type Colour, **Connection cable** 1.3 m w/ 6 pin Mini DIN,
Colour White, **Material** Aluminium,
Resolution TV lines 420,
Picture sensor 1/3« CCD,
Signal system PAL/NTSC,
Protection degree IP 67,
Shutter rate 1/50-1/100.000 sec.,
Infrared w/, **Microphone** w/,
Mirror function w/
Mirror function optional, wide angle: h: 122°. W: 91°. Diagonal: 156°.

160880 Side Camera
Servicing: Cargo 160775, 160783, 160793
12 **V, Light sensitivity** 0 lux/ IR LED on,
Depth 82.6 mm, **Height** 60.7 mm,
Width 61.12 mm,
Type Colour, **Connection cable** 2 m,
Colour Black, **Material** Aluminium,
Resolution TV lines 380,
Picture sensor 1/4« CCD,
Signal system PAL,
Shutter rate 1/60-1/100.000 sec.,
Infrared w/, **Microphone** w/o,
Mirror function w/

160887 Colour Camera
Servicing: Cargo 160886
12 **V, Light sensitivity** 0 lux, **Depth** 57 mm,
Height 43 mm, **Width** 75 mm,
Type Colour, **Connection cable** 0.3 m 4 pin,
Colour Black, **Material** Aluminium,
Resolution TV lines 420,
Picture sensor 1/3« CCD,
Signal system PAL, **Protection degree** IP 68,
Infrared w/, **Microphone** w/,
Mirror function w/
120° viewing angle.

Pkg. 5

160965 Lens
Servicing: Cargo 160610
Material Glass

160972 Colour Camera
Servicing: Cargo 160886
12 **V, Light sensitivity** 0 lux,
Depth 57 mm,
Height 43 mm, **Width** 75 mm,
Type Colour, **Connection cable** 0.3 m 4 pin, **Colour** Black, **Material** Aluminium,
Resolution TV lines 480,
Picture sensor 1/3«,
Signal system PAL/NTSC,
Protection degree IP 68, **Infrared** w/,
Microphone w/, **Mirror function** w/
90° viewing angle.

Monitors

160776 Monitor
Servicing: Cargo 160775
12/24 **V, Depth** 50.8 mm,
Height 140 mm, **Width** 191 mm,
Display size 7«, **Type** LED,
Mount. bracket w/,
Resolution pixels 1440x234,
Signal PAL/NTSC, **Remote control** w/o,
Loudspeaker w/, **Mirror function** w/,
Weight 1.78 kg

160784 Monitor
Servicing: Cargo 160783
12/24 **V, Depth** 50.8 mm,
Height 140 mm, **Width** 191,
Display size 7«, **Type** Accessories,
Monitor LED, **No./ cameras** 3+1, **Audio** Yes

160898 Monitor
Servicing: Cargo 160886
12/24 **V, Depth** 28 mm, **Height** 104 mm,
Width 150 mm, **Display size** 5.8«,
Type TFT-LCD,
Mount. bracket w/,
Resolution pixels 800x480,
Signal PAL/NTSC, **Remote control** w/,
Loudspeaker w/, **Mirror function** w/o

Pkg. 0

160995 Monitor

Accessories

160603 6 pin mini DIN to RCA connection
Plug Mini Din 6 pin/RCA
Used for connecting extra camera to swichtbox.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160611 CCTV Extension Cable
Length 20 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160612 CCTV Extension Cable
Length 15 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160613 CCTV Extension Cable
Length 10 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160663 Trailer Cable Kit
Cable from socket to camera 0.2 m,
Cable from socket to monitor 0.5 m,
Coil length 3 m,
Trailer cable kit Mini Din 6 pin,
Plug Mini Din 6 pin
Cargo 160775, 160783, 160793.

160672 CCTV Extension Cable
Length 6 m, **Plug** Mini Din 6 pin
Cargo 160775, 160783, 160793.

160888 CCTV Extension Cable
Servicing: Cargo 160886
Length 20 m, **Plug** 4 pin
Only for 5.8« system.

160889 CCTV Extension Cable
Servicing: Cargo 160886
Length 10 m, **Plug** 4 pin
Only for 5.8« system.

160916 Trailer Cable Kit
Servicing: Cargo 160886
Cable from socket to camera 0.2 m,
Cable from socket to monitor 0.5 m,
Coil length 3 m, **Trailer cable kit** 4 pin,
Plug 4 pin

160961 Power Cable
Servicing: Cargo 160886
12-24 **V**

NEW PRODUCT
www.hc-cargo.com

160993 Trailer Cable Kit
Cable from socket to camera 20 m,
Cable from socket to monitor 5 m,
Coil length 2 m,
Trailer cable kit Mini Din 6 pin,
Plug Mini Din 6 pin
Cargo 160606, 160775, 160783, 160793.

Acoustic Warning

Reversing Alarms

Pkg. 25

160346 Reversing Alarm
12 **V,** 20 **W,** 90 **dB**, **Bulb type** Halogen,
Socket type BA15S
w/ »beep-beep« warning sound.

160410 Reversing Alarm
24 **V,** 20 **W,** 90 **dB**, **Bulb type** Halogen,
Socket type BA15S
w/ »beep-beep« warning sound.

160481 Reversing Alarm
12/24 **V,** 96 **dB**, 2500 **Hz**,
Overvoltage Yes, Waterproof,
Volume Yes

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160482 Reversing Alarm
12/24 **V,** 100 **dB**, 900 **Hz**,
Overvoltage Yes, Waterproof,
Volume Yes, **ADR-approved** Yes
Night attenuation, excluding when fog lights are on.

160689 Reversing Alarm
12/80 **V,** 30 **A**, 85 **dB**, 3200 **Hz**,
Type Buzzer, Waterproof,
ADR-approved No, **Weight** 0.035

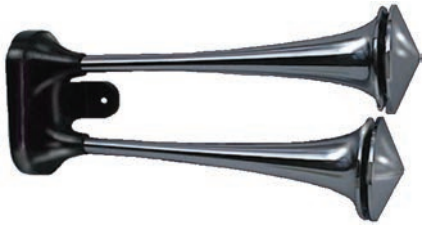
Buzzers

160533 Warning Buzzer
24 **V,** 21 **mA**, 99 **dB**, 400±100 **Hz**

160534 Warning Buzzer
12 **V,** 25 **mA**, 97 **dB**, 400±100 **Hz**

Horns

Air Horns



160038 Pneumatic Horn
118 **dB**, 330/370 **Hz**, **OD** 80 mm,
Length 390 mm, **Type** Dual tone,
Material Chromed Metal, **E-approval** Yes,
Weight 1 kg
Operating pressure 500-1200 kPa. For trucks equipped w/ on-board air.

160355 Pneumatic Horn
Servicing: Trucks
118 **dB**, 210 **Hz**, **Length** 600 mm,
Type Single tone, **E-approval** Yes,
Weight 1.6 kg
Operating pressure 30-1200 kPa. Equipped w/ on-board air.

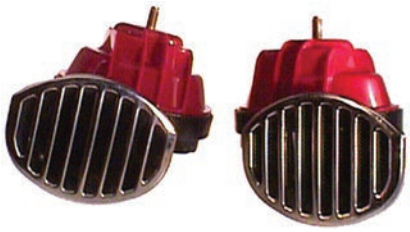
160356 Pneumatic Horn
Servicing: Trucks
118 **dB**, 190 **Hz**, **Length** 680 mm,
Type Single tone, **Weight** 1.7 kg
Operating pressure 30-1200 kPa. Equipped w/ on-board air.

Compressor Type

160002 Compressor Horn
12 **V,** 16 **A**, 117 **dB**, 630-795 **Hz**,
Type Dual tone, **Solenoid** Yes,
Material Shockproof plastic,
E-approval Yes, **Weight** 0.9 kg
w/ parts.

160508 Compressor Horn
24 **V,** 118 **dB**, 692-756 **Hz**,
Type Dual tone, **Solenoid** Yes,
Material Shockproof plastic, **E-app roval** Yes, **Weight** 1.2 kg

Electrical



160036 Twin Fanfare Horn
12 **V,** 112 **dB**, 410-490 **Hz**, **Solenoid** Yes,
E-approval Yes
Red w/ chromium grilles.

160336 Horn
24 **V,** 2.5 **A**, 335 **Hz**, **OD** 100 mm,
Type Single tone, **E-approval** Yes,
Weight 0.29 kg
2 terminals. w/ bracket.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160393 Horn
36-48 **V,** 1 **A**, 112 **dB**,
420 **Hz**, **OD** 100 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.29 kg
2 terminals. w/ bracket.

160414 Horn
24 **V,** 118 **dB**, 370 **Hz**, **Length** 400 mm,
Type Single tone, **Solenoid** No,
Material Chromed brass, **Marine** Yes
Model EM2.

160415 Horn
12 **V,** 118 **dB**, 370 **Hz**, **Length** 400 mm,
Type Single tone, **Solenoid** No,
Material Chromed brass, **Marine** Yes
Model EM2.

160658 Horn
Servicing: VW
12 **V,** 335 **Hz**, **OD** 100 mm,
Type Single tone, **Material** Steel,
Marine No, **E-approval** Yes
w/ K-Jetronic connection. w/ bracket.

160712 Horn
12 **V, Type** Dual tone, **Solenoid** No,
Marine No
w/ K-Jetronic connection.

160746 Horn
Servicing: Scooters and motor cycles
12 **V,** 1-1.4 **A**, 109 **dB**, 410-
550 **Hz**, **OD** 70 mm, **Type** Single tone,
Material Steel, **E-approval** Yes,
Weight 0.164 kg

160986 Horn
12 **V,** 3.5 **A**, 112 **dB**,
420 **Hz**, **OD** 90 mm, **Type** Single tone,
Material Steel, **E-approval** Yes,
Weight 0.28 kg
2 terminals. w/ bracket.

160987 Horn
24 **V,** 2.5 **A**, 112 **dB**,
420 **Hz**, **OD** 90 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.29 kg
2 terminals. w/ bracket.

160988 Horn
12 **V,** 3.5 **A**, 112 **dB**,
335 **Hz**, **OD** 90 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.28 kg
2 terminals. w/ bracket.

160989 Horn
24 **V,** 2.5 **A**, 112 **dB**,
335 **Hz**, **OD** 90 mm, **Type** Single tone,
E-approval Yes, **Weight** 0.29 kg
2 terminals. w/ bracket.

Spare Parts

160039 Electric Valve
24 **V**
For Compressor horn.

Pkg. 10

160042 Y-Connector
Servicing: Cargo 160002, 160508

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 50

190097 PVC Hose 8 mm
ID 8 mm, **Hose type** Transparent plastic, **Temp.** -15 -> +60 °C

160213 Compressor
Servicing: Boats until 20 mtr
24 **V,** **Length** 165 mm, **Solenoid** Yes, **Pressure** 2 bar, **Weight** 2.4 kg
Marine horn: Cargo 160048.

160333 Compressor
Servicing: Cargo 160038
12 **V,** **OD** 70 mm, **Length** 112 mm, **Type** 1, 2 og 3 tones, **Solenoid** Yes, **Material** Aluminium, **Pressure** 1.5 bar, **Marine** Yes, **Weight** 0.5 kg
Approved for boats until 12 mtr.

160334 Compressor
Servicing: Cargo 160038
24 **V,** **OD** 70 mm, **Length** 112 mm, **Type** 1, 2 og 3 tones, **Solenoid** Yes, **Material** Aluminium, **Pressure** 1.5 bar, **Marine** Yes, **Weight** 0.5 kg

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Power Management Components

Voltage Converters

Switch Mode

160899 Adaptor
24 **V/in,** 12V DC **V/out,** 6x70 **W/out,** **Type** Switch mode
Max. output 220 W. 7-13 pole.

160900 Trailer Light Converter Adapter
24 **V/in,** 12V DC **V/out,** 6x70 **W/out,** **Type** Switch mode
Max. output 220 W. 7-7 pole.

160901 Trailer Light Converter
24 **V/in,** 12V DC **V/out,** **Type** Switch mode/isolated, **Protection degree** IP 69K,
Output: 2x42 W + 4x60 W. Level B. To be used when Cargo 160899 and 160900 are not suited.

160960 Power Converter
Servicing: Used for mounting computers in trollies
10-32 **V/in,** 12V DC **V/out,** 6 **A/cont.**, 72 **W/out,** **Dim.** 167x87x50 mm, **Type** Switch mode/isolated, **Protection degree** IP 533,
Modified to stabilize the output voltage.

Non Insulated

160306 Voltage Converter
24 **V/in,** 13.8 **V/out,** 12 **A/cont.**, 18 **A/5 min**, 8 **A/offload**, 160 **W/out,** **Dim.** 128x87x50 mm,
Type Switch mode non isolated,
Over current Yes, **Alarm/over heating** Yes, **Alarm/overvoltage** Yes,
Alarm/rev. con. Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique mounting bracket. The converter is intended for use w/ heavy duty communication equipment or other similar equipment. Fitting instruction included.

160387 Voltage Converter
24 **V/in,** 13.8 **V/out,** 3 **A/cont.**, 6 **A/5 min**, 8 **A/offload**, 40 **W/out,** **Dim.** 68x87x50 mm,
Type Switch mode non isolated,
Over current Yes, **Alarm/over heating** Yes, **Alarm/overvoltage** Yes,
Alarm/rev. con. Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ radios, casette players or other similar equipment. Fitting instruction included.

160388 Voltage Converter
24 **V/in,** 13.8 **V/out,** 6 **A/cont.**, 10 **A/5 min**, 8 **A/offload**, 75 **W/out,** **Dim.** 90x87x50 mm,
Type Switch mode non isolated,
Over current Yes, **Alarm/over heating** Yes, **Alarm/overvoltage** Yes,
Alarm/rev. con. Yes, **Alarm/transients** Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ radios, casette players or other similar equipment. Fitting instruction included.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160389 Voltage Converter
24 **V/in,** 13.8 **V/out,** 24 **A/cont.**,
30 **A/5 min**, 8 **A/offload**, 330 **W/out,**
Dim. 168x87x50 mm,
Type Switch mode/uninsulated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes,
Alarm/rev. con. Yes, **Alarm/transients** Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ high power audio installations and high frequency radio transmission or other similar equipment. Fitting instruction included.

Insulated

160390 Voltage Converter
24 **V/in,** 13.8 **V/out,** 3 **A/cont.**,
6 **A/5 min**, 8 **A/offload**, 40 **W/out,**
Dim. 90x87x50 mm,
Type Switch mode/isolated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes, **Alarm/rev. con.** Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as Cargo 160387, but for systems where full isolation is required e.g. marine electrcal systems and vehicles for petroche.

160391 Voltage Converter
24 **V/in,** 13.8 **V/out,** 6 **A/cont.**,
10 **A/5 min**, 8 **A/offload**, 75 **W/out,**
Dim. 128x87x50 mm, **Type** Switch mode/isolated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes,
Alarm/rev. con. Yes, **Alarm/transients** Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as Cargo 160388, but for systems where full isolation is required e.g. marine electrical systems. Fitting instruction included.

160392 Voltage Converter
24 **V/in,** 13.8 **V/out,** 12 **A/cont.**,
18 **A/5 min**, 8 **A/offload**, 144 **W/out,**
Dim. 168x87x50 mm,
Type Switch mode/isolated,
Over current Yes, **Alarm/over heating** Yes,
Alarm/overvoltage Yes,
Alarm/rev. con. Yes,
Alarm/transients Yes
CE-approved. The converter is supplied w/ a unique clip mounting bracket. The converter is intended for use w/ the same equipment as Cargo 160306, but for systems that require full isolation. Fitting instruction included.

160640 Converter
24 **V/in,** 12 **V/out,** 50 **A/cont.**,
60 **A/5 min**, A/offload, 600 **W/out,**
Type Switch mode/isolated,
Over current Yes

160642 Converter
12 **V/in,** 24 **V/out,** 3 **A/cont.**,
4 **A/5 min**, A/offload, 72 **W/out,**
Dim. 89x87x50 mm,
Type Switch mode/isolated,
Over current Yes

160644 Converter
12 **V/in,** 24 **V/out,** 7 **A/cont.**,
9 **A/5 min**, A/offload, 168 **W/out,**
Dim. 167x87x50 mm,
Type Switch mode/isolated,
Over current Yes

160646 Converter
12 **V/in,** 24 **V/out,** 10 **A/cont.**,
13 **A/5 min**, A/offload, 240 **W/out,**
Dim. 217x87x50 mm,
Type Switch mode/isolated,
Over current Yes

Multi Power

160579 Voltage Converter
36-90 **V/in,** 12 **V/out,** 6 **A/cont.**,
75 **W/out, Dim.** 134x94x18 mm,
Protection degree IP 68,

160580 Voltage Converter
36-90 **V/in,** 12 **V/out,** 15 **A/cont.**,
Dim. 134x94x48 mm,
Protection degree IP 68,

Relay Boxes

160167 Relay Box
Servicing: For 12 V trailer pulled by a 24 V vehicle
12/24 **V,** 10 **A**, 250 **W, No./poles** 7,
Relay switch Yes
Switches the voltage from 24 V to 12 V by 5 relays. Run at 24 V and leading 12 V from one of the batteries or converter to the lamps of the trailer. For continous use it has to be connected via a converter. For internal mounting.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160797 Relay Box

12-12 **V,** 5x8 **A**, 5x250 **W**
To reduce voltage drop, if you use vehicles w/ trailer. Fitted w/ 5x12 V relays the 12 V function will not be affected.

Voltage Inverters

Modified Sine Wave

160494 Voltage Inverter

24 **V/in,** 230 **V/out,** 250 **W/cont.,**
Dim. 190x110x75 mm, **Type** Sinus,
Weight 2.5 kg

160541 Voltage Inverter

12 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**,
10±0.5 **Shut down/V,** <20 **Amp.-Max/Cont.,**
<0.3 **Amp.-standby,** 150 **W/cont.,**
450 **W/max., Dim.** 165x91x58 mm,
Efficiency Over 90 %, **Type** Modified sine,
60±5 **°C**, **Regulation** ±10,
Over heating Yes, **Overloading** Yes,
Short circuit Yes, **Weight** 0.850 kg

160542 Voltage Inverter

24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**,
20±1 **Shut down/V,** <10 **Amp.-Max/Cont.,**
<0.3 **Amp.-standby,** 150 **W/cont.,**
450 **W/max., Dim.** 165x91x58 mm,
Efficiency Over 90 %, **Type** Modified sine,
60±5 **°C**, **Regulation** ±10,
Over heating Yes, **Overloading** Yes,
Short circuit Yes, **Weight** 0.850 kg

160543 Voltage Inverter

10-15 **V/in,** 230 **V/out,**
10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,**
<20 **Amp.-Max/Cont.,** <0.3 **Amp.-standby,**
300 **W/cont.,** 1000 **W/max.,**
Dim. 190x91x58 mm, **Efficiency** Over 90 %,
Type Modified sine, 60±5 **°C**,
Regulation ±10, **Over heating** Yes,
Overloading Yes, **Short circuit** Yes,
Weight 1.1 kg

160544 Voltage Inverter

24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**,
20±1 **Shut down/V,** <35 **Amp.-Max/Cont.,**
<0.3 **Amp.-standby,** 300 **W/cont.,**
1000 **W/max., Dim.** 190x91x58 mm,
Type Modified sine, 60±5 **°C**,
Regulation ± 10, **Over heating** Yes,
Overloading Yes, **Short circuit** Yes,
Weight 1.1 kg

160545 Voltage Inverter

10-15 **V/in,** 230 **V/out,**
10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,**
<0.3 **Amp.-standby,** 600 **W/cont.,**
1500 **W/max., Dim.** 242x91x58 mm,
Type Modified sine, 60±5 **°C**,
Regulation ±10, **Over heating** Yes,
Overloading Yes, **Short circuit** Yes,
Weight 1.7 kg

160546 Voltage Inverter

24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**,
20±1 **Shut down/V, <0.3 Amp.-standby,**
600 **W/cont.,** 1500 **W/max.,**
Dim. 242x91x58 mm, **Type** Modified sine,
60±5 **°C**, **Regulation** ± 10,
Over heating Yes, **Overloading** Yes,
Short circuit Yes, **Weight** 1.7 kg

160569 Voltage Inverter

12 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**,
10±0.5 **Shut down/V, <2 Amp.-standby,**
1500 **W/cont.,** 3500 **W/max.,**
Dim. 395x240x90 mm,
Type Modified sine, 60±5 **°C**,
Over heating Yes, **Overloading** Yes,
Short circuit Yes, **Cooling fan** Yes,
Weight 5.5 kg

160581 Voltage Inverter

24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**,
20±1 **Shut down/V, <1 Amp.-standby,**
1500 **W/cont.,** 3500 **W/max.,**
Dim. 395x240x90 mm,
Type Modified sine, 60±5 **°C**,
Over heating Yes, **Overloading** Yes,
Short circuit Yes, **Weight** 5.5 kg

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160660 Voltage Inverter
10-15 **V/in,** 230 **V/out,** 10.5±0.5 **Alarm/V**, 10±0.5 **Shut down/V,** <0.8 **Amp.-standby,** 1000 **W/cont.,** 2500 **W/max., Dim.** 310x205x75 mm, **Type** Modified sine, 60±5 **°C**, **Regulation** ±10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 5 kg

160676 Voltage Inverter
24 **V/in,** 230 **V/out,** 21±1 **Alarm/V**, 20±1 **Shut down/V, <0.8 Amp.-standby,** 1000 **W/cont.,** 2500 **W/max., Dim.** 310x205x75 mm, **Type** Modified sine, 60±5 **°C**, **Regulation** ± 10, **Over heating** Yes, **Overloading** Yes, **Short circuit** Yes, **Weight** 5 kg

Voltage Reducer

160627 Voltage Reducer
Set w/ 2 resistors. Reduces the voltage w/ 0.75 V. Secures the lifetime of the headlight bulbs in cars w/ high voltage. 12/24 V.

Chargers

160874 Charger
23/24 **V,** 12 **A**, **Dim.** 235x87x58 mm, **Working temp.** -30±55 °C, **Warning lamp** w/, **Auto stop** Yes, **Weight** 1.660 kg
IP67.

160875 Charger
230/12 **V,** 17 **A**, **Dim.** 235x87x58 mm, **Working temp.** -30±55 °C, **Warning lamp** w/, **Auto stop** Yes, **Weight** 1.660 kg
IP67.

160968 Charger
230/12 **V,** 3 **A**, **Dim.** 160x96x54 mm, **Working temp.** -20±50 °C, **Warning lamp** w/, **Approval** CE, **Weight** 0.85 kg
50Hz. IP65.

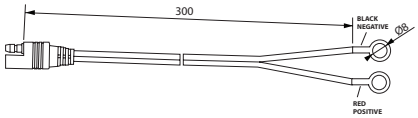
160969 Charger 5 amp
230/12 **V,** 5 **A**, **Dim.** 160x96x54 mm, **Working temp.** -20±50 °C, **Warning lamp** w/, **Approval** CE, **Weight** 0.85 kg
50Hz. IP65.

160968UK UK Charger
230/12 **V,** 3 **A**, **Dim.** 160x96x54 mm, **Working temp.** -20±50 °C, **Warning lamp** w/, **Approval** CE, **Weight** 0.85 kg
50Hz. IP65.

160969UK UK Charger
230/12 **V,** 5 **A**, **Dim.** 160x96x54 mm, **Working temp.** -20±50 °C, **Warning lamp** w/, **Approval** CE, **Weight** 0.85 kg
50Hz. IP65.

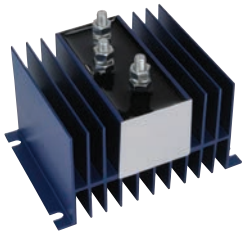
Accessories

Pkg. 10



160990 Charger cable
Servicing: Cargo 160968, 160969, 160968UK, 160969UK
300 **V, Lead dim.** 2x0.824 mm², **Rolls size** 0.3 m, **Lead type** Dual, **Cap colour** Black, **Cap material** PVC, **Temp/area** 60 °C

Battery Isolators

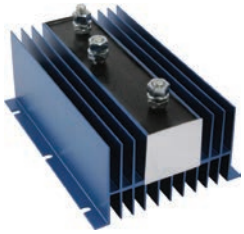


160342 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 70 **Current/max A**, **Dim.** 85x115x95 mm, **No./batteries** 2, **Comp. diode** No
Eliminates the multi battery drain when 2 or more batteries are in a charging system.

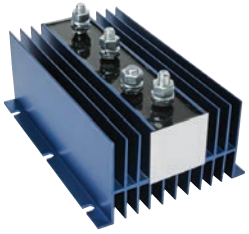
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

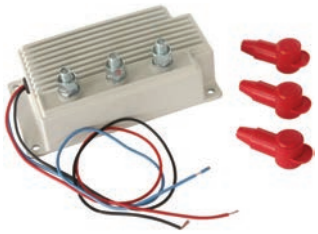
160343 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 70 **Current/max A**,
Dim. 85x115x95 mm, **No./batteries** 2,
Comp. diode Yes
Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.



160398 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 120 **Current/max A**,
Dim. 170x115x95 mm, **No./batteries** 2,
Comp. diode No
Eliminates the multi battery drain when 2 or more batteries are in a charging system.



160399 Battery Isolator
Servicing: Boats, autocampers, industrial vehicles
6-36 **V,** 120 **Current/max A**,
Dim. 170x115x95 mm, **No./batteries** 2,
Comp. diode Yes
Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.



160735 Battery Isolator
12/24 **V,** 150 **Current/max A**,
No./batteries 2
This cut-off relays, seperates from others because it especially can be used on models which need power at B+ to start up the generator load. When connecting additional contact may also be used to boost the starting battery. 0-volt drop. E-market. Waterproof.

160740 Split Charge Relay
Servicing: Boats, autocampers, industrial vehicles
12 **V,** 180 **Current/max A**,
Dim. 120x80x55 mm, **No./batteries** 2,
Comp. diode No
Microprocessor controlled relay. Allows charging on the auxiliary battery at 13.4 V charging voltage.

160742 Split Charge Relay
Servicing: Boats, autocampers, industrial vehicles
24 **V,** 100 **Current/max A**,
Dim. 120x80x70 mm, **No./batteries** 2,
Comp. diode No
Microprocessor controlled relay. Allows charging on the auxiliary battery at 27 V charging voltage.

160876 Split Charge Relay
12 **V,** 70 **Current/max A**,
Dim. 60x34x70 mm, **No./batteries** 2
13.4 V-12.6 V.

160877 Split Charge Relay
24 **V,** 50 **Current/max A**,
Dim. 60x34x70 mm, **No./batteries** 2

Switches & Sensors - ngine Management

Switches

Battery Switches

180028 Battery Main Switch
24 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Plastic, **Mounting holes** 2,
Key w/
Spare key: Cargo 180143. Pole: dia. 10 mm.

180087 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Mounting holes 2, **Key** w/
Spare key: Cargo 180202.

180203 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Plastic,
Protection degree IP 66,
Mounting holes 2, **Key** w/

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180211 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Protection degree IP 65,
Mounting holes 2, **Key** w/
Spare key: Cargo 180288 or 180333. Rubber boot: Cargo 180375.

180216 Battery Main Switch
24 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 45 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 4x,
Mounting holes 2, **Key** w/
Spare key: Cargo 180143. Rubber protection cap: Cargo 180374.

180229 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 66, **Mounting holes** 2, **Key** w/
On/off under load. Spare key: Cargo 180029.

180271 Battery Main Switch
12/24 **V,** 300 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 45 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 65,
Mounting holes 2, **Poles** M10,
Explosion proof Yes, Waterproof,
Key w/, **Approval** SAE J1171
Rubber boot: Cargo 180375. Working temp. -30°C/+65°C.

180276 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 67, **Mounting holes** 2,
Poles 2, **Explosion proof 1** Yes,
Explosion proof 2 Yes, Waterproof,
Key w/, **Approval** ADR
Rubber boot: Cargo 180375. For alternator w/ intergral regulator. w/ D+ contact.

180279 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 65, **Mounting holes** 2,
Poles 1, **Pneumatic** Yes,
Explosion proof Yes, **Key** w/, **Approval** ADR
For alternator w/ integral regulator.
Rubber boot: Cargo 180375.
Spare key: Cargo 180292.

180289 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Metal, **Protection degree** IP 65,
Mounting holes 2, **Key** w/
Rubber boot: Cargo 180375.

180291 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 65, **Mounting holes** 2,
Poles 2, **Pneumatic** Yes,
Explosion proof 2 Yes, **Key** w/
Rubber boot: Cargo 180375. Spare key: Cargo 180292.

180313 Battery Main Switch
24 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 45 mm,
Type Battery, **Protection degree** IP 4x,
Mounting holes 2, **Key** w/o
Spare key: Cargo 180143. Rubber protection cap: Cargo 180374.

180326 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Protection degree** IP 65,
Mounting holes 2
Rubber boot: Cargo 180375. w/ rotation/ press handle.

180596 Battery Main Switch
12 **V,** 100 **A/cont.**, 500 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Plastic, **Mounting holes** 2,
Sec. circuit w/, **Key** w/
Spare key: Cargo 180029.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

180614 Battery Main Switch
24 **V,** 75 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 38 mm, **Type** Battery,
Material Metal, **Mounting holes** 2,
Key w/

181238 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Protection degree IP 66,
Mounting holes 2, Waterproof, **Key** w/
Spare key: Cargo 180333. Rubber boot: Cargo 180375.

181475 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 100 mm,
Material Metal, **Protection degree** IP 65,
Mounting holes 2, **Key** w/
Spare key: Cargo 180288, w/o chain and rubber cap. Rubber boot: Cargo 180375.

181599 Battery Main Switch
12-24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 120 mm,
Type Battery, **Material** Metal,
Protection degree IP 66,
Mounting holes 2, **Poles** 2, Waterproof,
Key w/
Rubber boot: Cargo 180375.

NEW PRODUCT
www.hc-cargo.com

181613 Battery Main Switch
12-50 **V,** 200 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 104 mm,
Type Battery, **Material** PBT,
Protection degree IP 54,
Mounting holes 3, **Poles** 3, **Key** w/o,
Approval CE

NEW PRODUCT
www.hc-cargo.com

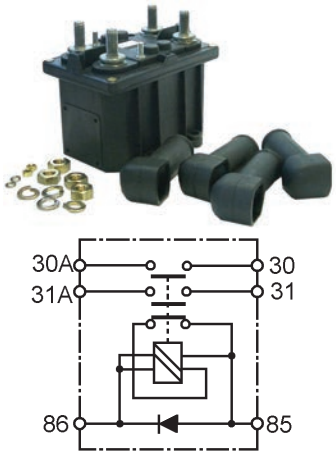
181614 Battery Main Switch
12-50 **V,** 200 **A/cont.**, 1000 **A/5 sec.**,
Dist. mount. holes 55 mm, **Type** Battery,
Material PBT, **Protection degree** IP 54,
Mounting holes 4, **Poles** 2, **Key** w/,
Approval CE

Electromagnetic

180232 Battery Switch
Servicing: Industrial vehicles, buses, tractors, lift trucks and boats
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Negative
These devices are designed to disconnect and protect the batteries and all the vehicle's electrical circuits.

180233 Battery Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Negative
These devices are designed to disconnect and protect the batteries and all the vehicle's electrical circuits.
Depending on the model, the isolation switches are able to disconnect either the negative, the positive or both sides of the battery. The models with separate coil power supply can also be used to disconnect any other type of electrical circuit (e.g. marine applications).
For serial or parallel connected batteries 250 Amp. Continued, 2500 Amp. For 5 sec. negative disconnection.

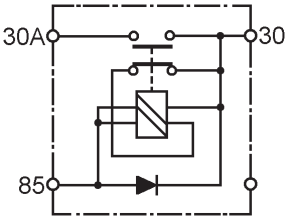
180290 Battery Switch Relay
12/24 **V,** 75 **A/cont.**,
1500 (1 sec) **A/5 sec.**
For serial and parallel connction of two 12 V batteries in 12 V systems w/ 24 V starter.



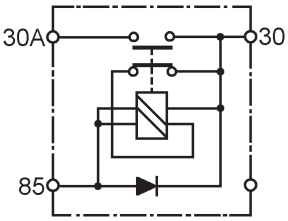
180556 Battery Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic,
Solenoid Positive/Negative

O.E.M. names and numbers are used for reference purposes only.

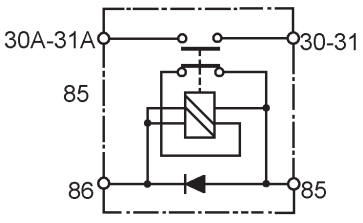
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



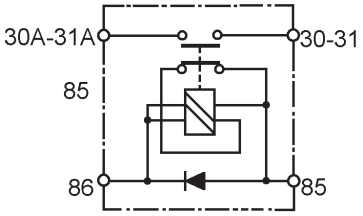
180602 Battery Switch
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Positive



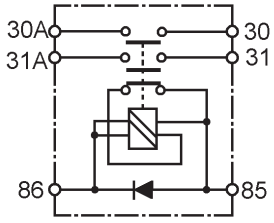
180603 Battery Switch
24 **V,** 200 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Positive



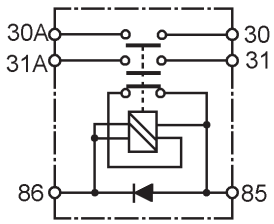
180604 Battery Switch
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic,
Solenoid Positive/Negative
w/ seperate power supply.



180605 Battery Switch
24 **V,** 200 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic,
Solenoid Positive/Negative
w/ seperate power supply.



181476 Battery Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Type Electromagnetic, **Solenoid** Positive/Negative, **Mounting holes** 4,
Poles 4, **Explosion proof 1** Yes,
Explosion proof 2 Yes, **Approval** Ex
Plug: Cargo 181545.



181562 Battery Switch
12 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Solenoid Positive/Negative

Spare Keys

Pkg. 10

180029 Key
Servicing: Cargo 180028, 180203, 180216, 180229, 180313
Shaft length 11 mm, **Pin** 2

Pkg. 10

180143 Key
Servicing: Cargo 180028, 180216, 180313
Shaft length 9 mm

Pkg. 5

180202 Key
Servicing: Cargo 180087

180273 Key
Servicing: Cargo 180272

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 5

180288 Key
Servicing: Cargo 180211
Pin 2

180292 Key
Servicing: Cargo 180279
Material Plastic

Pkg. 5

180333 Key
Servicing: Cargo 180211, 181238
Pin 1

Pkg. 10

180619 Key
Servicing: Cargo 180028, 180203, 180216, 180229, 180596
Shaft length 11 mm, **Pin** 1

Pkg. 10

181270 Key
Servicing: Cargo 180028, 180216, 180229, 180313
Shaft length 11 mm, **Pin** 1
w/o dust cover.

181477 Key
Servicing: Cargo 180278

181578 Key
Servicing: Cargo 180614
For battery main switch.

181603 Key to Battery Main Switch
Servicing: Cargo 181599
For battery main switch.

Remote Control

180280 Pneumatic Remote Control
Servicing: Cargo 180279, 180291

Rubber Boots

Pkg. 10

180374 Terminal Boot
Servicing: Cargo 180216, 180313
Material Rubber

180375 Terminal Boot set
Servicing: Cargo 180211, 180271, 180272, 180274, 180275, 180276, 180277, 180278, 180279, 180289, 180291, 180326, 180338, 180238
Material Rubber
Supplied in kit of 2 pcs.

Waterproof

180272 Battery Main Switch
Servicing: Marine
24 **V,** 150 **A/cont.**, 1000 **A/5 sec.**, **Dist. mount. holes** 45 mm, **Type** Battery, **Material** Metal, **Protection degree** IP 67, **Mounting holes** 2, **Explosion proof 1** Yes, Waterproof, **Key** w/
Spare key: Cargo 180333. Rubber boot: Cargo 180375.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

180274 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 65 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Key** w/
Rubber boot: Cargo 180375 . For alternator w/ separate regulator.

180275 Battery Main Switch
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 65 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Key** w/
Rubber boot: Cargo 180375. For alternator w/ intergral regulator. w/ D+ contact.

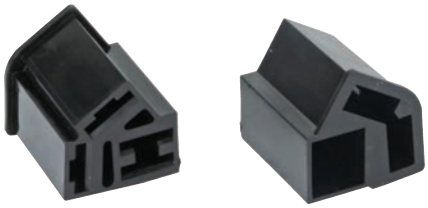
180277 Battery Main Switch
Servicing: Alternator w/ separate regulator
24 **V,** 250 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 110 mm,
Type Battery, **Material** Plastic,
Protection degree IP 67,
Mounting holes 2, **Poles** 2,
Explosion proof 1 Yes,
Explosion proof 2 Yes, Waterproof,
Key w/
Rubber boot: Cargo 180375.

180278 Battery Main Switch
24 **V,** 300 **A/cont.**, 3000 **A/5 sec.**,
Dist. mount. holes 100 mm,
Type Battery, **Material** Metal,
Protection degree IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Key** w/
Rubber boot: Cargo 180375.

180338 Battery Main Switch
24 **V,** 20 **A/cont.**, 2500 **A/5 sec.**,
Dist. mount. holes 65 mm, **Type** Battery,
Material Plastic, **Protection degree** IP 67,
Mounting holes 2, **Explosion proof 1** Yes,
Waterproof, **Sec. circuit** w/, **Key** w/
For alternator w/ separate regulator.
W/ secondary circuit 24 V.
20 Amp. Continued.
Rubber boot: Cargo 180375.

Spare Parts

Pkg. 25



181595 Central Plug Connector
Servicing: Cargo 180044
Type/terminal 9.5x1.2, **No./poles** 4,
Plug Female
DIN 46340. Used w/ Cargo 181596.

Pkg. 25

181596 Central Plug Connector
Servicing: Cargo 180044
Type/terminal 6.3x0.8, **No./poles** 6,
Plug Multiplug
DIN 46340. Used w/ Cargo 181595.

Pkg. 10

181597 Central Plug Connector
Servicing: Cargo 180027
Type Socket, **Colour** Black, **No./poles** 6,
Plug Female

Solenoids

Solenoid Shutdown-Kits

Externally Switched

090095 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

090096 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090099 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090100 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull,
Switch External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090103 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
12 **V,** 1.1 **A/hold**, 55 **A/pull**,
Mount. type Flange/bracket,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090104 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
12 **V,** 1.1 **A/hold**, 55 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090105 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
24 **V,** 0.63 **A/hold**, 29 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090106 Solenoid Shutdown Kit
Servicing: Nippodenso, Zexel
24 **V,** 0.63 **A/hold**, 29 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Right,
Elect. connection Cable, **Function** Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

090107 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 55 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Multiplug
This solenoid can´t switch off by itself, it will have to be controlled externally.

090108 Solenoid Shutdown Kit
24 **V,** 0.63 **A/hold**, 29 **A/pull**,
Pull rating 89N at 25.40 mm,
Hold rating 178N, **Mount. side** Left,
Elect. connection Multiplug,
Function Pull
This solenoid can´t switch off by itself, it will have to be controlled externally.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

IInternally Switched

090097 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**, **Mount. type** Flange/bracket, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Mount. side** Left, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090098 Solenoid Shutdown Kit
12 **V,** 1.1 **A/hold**, 46 **A/pull**, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Mount. side** Right, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090101 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Mount. side** Left, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

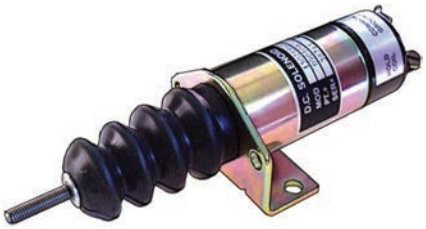
090102 Solenoid Shutdown Kit
24 **V,** 0.5 **A/hold**, 25 **A/pull**, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N, **Elect. connection** Connection, **Function** Pull
This solenoid can switch off the pull coil, and no external 'control' is necessary.

Solenoid Shutdown

Pkg. 40

090218 Plunger
Thread size M6, **Thread type** Ordinary, **Plunger** External

Externally Switched



090109 Shutdown Solenoid
12 **V,** 0.7 **A/hold**, 30 **A/pull**, **Thread size** 6.00, **Mount. type** Flange/bracket, **Thread type** mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Switch** External, **Return spring** 9N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090110 Shutdown Solenoid
24 **V,** 0.25 **A/hold**, 17 **A/pull**, **Thread size** 6.00, **Mount. type** Flange/bracket, **Thread type** mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Return spring** 9N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090111 Shutdown Solenoid
12 **V,** 0.6 **A/hold**, 44 **A/pull**, **Thread size** 1/4«, **Mount. type** Flange/bracket, **Thread type** Inches, **Pull rating** 75N at 25.40 mm, **Hold rating** 178N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Return spring** 35N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090113 Shutdown Solenoid
24 **V,** 0.3 **A/hold**, 23 **A/pull**, **Thread size** 6.00, **Mount. type** Flange/bracket, **Thread type** mm, **Pull rating** 75N at 25.40 mm, **Hold rating** 178N, **Elect. connection** Connection, **Function** Pull, **Plunger** External, **Return spring** 35N
This solenoid can´t switch off by itself, it will have to be controlled externally.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

090199 Shutdown Solenoid
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 6.00, **Mount. type** Flat w/ 2 fixing holes, **Thread type** mm,
Pull rating 89N at 25.40 mm,
Hold rating 178N,
Elect. connection Cable,
Function Pull/push, **Plunger** External,
Return spring 17N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090200 Shutdown Solenoid
24 **V,** 4 **A/hold**, 18 **A/pull**,
Thread size 6.00, **Thread type** mm,
Pull rating 67N at 25.40 mm,
Hold rating 178N,
Elect. connection Cable,
Function Pull/push, **Plunger** External,
Return spring 17N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090206 Shutdown Solenoid
Servicing: Yanmar Diesel
12 **V, Plunger** Internal
This solenoid can´t switch off by itself, it will have to be controlled externally.

090216 Shutdown Solenoid
Servicing: Kubota
12 **V,** 0.7 **A/hold**, 30 **A/pull**,
Type Stop solenoid, **Mount. type** Flange,
Pull rating 44N at 25.40 mm,
Hold rating 85N,
Elect. connection Multiplug,
Plunger External, **Return spring** 17N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090225 Shutdown Solenoid
Servicing: Perkins
12 **V, Plunger** Internal
This solenoid can´t switch off by itself, it will have to be controlled externally.

090226 Shutdown Solenoid
24 **V,** 24 **V 2,** 0.5 **A/hold**,
25 **A/pull**, **Thread size** 6.00,
Thread type mm, **Pull rating** 111N at 25.40 mm, **Hold rating** 182N,
Elect. connection Multiplug,
Function Pull, **Plunger** External,
Return spring 7N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090228 Shutdown Solenoid
Servicing: Yanmar Motors
12 **V, Plunger** Internal
This solenoid can´t switch off by itself, it will have to be controlled externally.

090267 Shutdown Solenoid
Servicing: Volvo wheel loader
24 **V,** 0.86 **A/hold**, 39 **A/pull**,
Pull rating 129N at 25.4mm,
Hold rating 182N,
Elect. connection Multiplug,
Function Pull, **Plunger** Cable
Syncro start/Woodward.

090348 Shutdown Solenoid
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 6.00,
Mount. type Flat w/ 2 fixing holes,
Thread type mm, **Pull rating** 111N at 25.40 mm, **Hold rating** 182N,
Elect. connection Cable, **Function** Pull,
Plunger External, **Return spring** 4-8N
This solenoid can´t switch off by itself, it will have to be controlled externally.

090368 Shutdown Solenoid
12 **V,** 12 **V 2,** 0.86 **A/hold**, 61 **A/pull**,
Pull rating 129N at 25.4mm,
Hold rating 182N,
Elect. connection Multiplug,
Function Pull, **Plunger** Cable
Syncro start/Woodward.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

090370 Shutdown Solenoid
Servicing: Kubota D722, Z482
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Mount. type Flat w/ 2 fixing holes,
Elect. connection Cable,
Plunger External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090371 Shutdown Solenoid
Servicing: Kubota D722, Z482
24 **V,** 0.5 **A/hold**, 25 **A/pull**,
Elect. connection Cable,
Plunger External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090373 Shutdown Solenoid
12 **V, Plunger** External
This solenoid can´t switch off by itself, it will have to be controlled externally.

090431 Shutdown Solenoid
24 **V,** 24 **V 2,** 0.57 **A/hold**, 30 **A/pull**,
Thread size 5/16«-24,
Mount. type Flange/bracket,
Thread type Inches, **Pull rating** 165N,
Hold rating 391N, **Function** Pull,
Plunger External, **Return spring** 80-115N
This solenoid can´t switch off by itself, it will have to be controlled externally.

IInternally Switched

090160 Shutdown Solenoid
12 **V,** 0.7 **A/hold**, 30 **A/pull**,
Thread size 6.00,
Mount. type Flange/bracket,
Thread type mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N,
Elect. connection Connection,
Plunger External, **Switch** Internal,
Return spring 17N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090161 Shutdown Solenoid
24 **V,** 0.25 **A/hold**, 17 **A/pull**,
Thread size 6.00, **Mount. type** Flange/bracket, **Thread type** mm,
Pull rating 40N at 25.40 mm,
Hold rating 89N,
Elect. connection Connection,
Function Pull, **Plunger** Internal,
Return spring 17N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090168 Shutdown Solenoid
12 **V,** 0.6 **A/hold**, 44 **A/pull**,
Thread size 6.00, **Mount. type** Flange/bracket, **Thread type** mm,
Pull rating 75N at 25.40 mm,
Hold rating 178N,
Elect. connection Connection,
Plunger External, **Switch** Internal,
Return spring 35N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090169 Shutdown Solenoid
24 **V,** 0.3 **A/hold**, 23 **A/pull**,
Thread size 6.00, **Mount. type** Flange/bracket, **Thread type** mm,
Pull rating 75N at 25.40 mm,
Hold rating 178N,
Elect. connection Connection,
Function Pull, **Plunger** External,
Switch Internal, **Aux terminal** Yes,
Return spring 35N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090210 Shutdown Solenoid
12 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 1/4«-28 stud.,
Mount. type Flange/bracket,
Thread type Inches, **Pull rating** 89N at 25.40 mm, **Hold rating** 178N,
Elect. connection Connection,
Function Pull, **Plunger** Internal,
Aux terminal Yes, **Return spring** 9N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090224 Shutdown Solenoid
12 **V,** 0.25 **A/hold**, 17 **A/pull**,
Thread size 6.00,
Thread type mm, **Pull rating** 40N at 25.40 mm, **Hold rating** 89N,
Plunger Internal, **Return spring** 17N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

090268 Shutdown Solenoid
Servicing: Kubota 5 series
12 **V, Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090297 Shutdown Solenoid
24 **V,** 1.1 **A/hold**, 46 **A/pull**,
Thread size 6.00, **Thread type** mm,
Pull rating 107N at 25.40 mm,
Hold rating 169N, **Plunger** External,
Aux terminal Yes, **Return spring** 7-11N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090317 Shutdown Solenoid
24 **V,** 0.3 **A/hold**, 20 **A/pull**,
Pull rating 98N at 32.00 mm,
Hold rating 245N, **Plunger** Internal,
Coil commander w/, **Return spring** 45N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090318 Shutdown Solenoid
12 **V,** 0.65 **A/hold**, 37 **A/pull**,
Pull rating 98N at 32.00 mm,
Hold rating 245N, **Plunger** Internal,
Return spring 45N
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090334 Shutdown Solenoid
Servicing: Sisu Diesel 8366 40253
12 **V, Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090402 Shutdown Solenoid
Servicing: Kubota super 5 series
24 **V, Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

090430 Shutdown Solenoid
Servicing: Kubota
12 **V, Plunger** Internal
This solenoid can switch off the pull coil, and no external 'control' is necessary.

Pull Coil Timer Modules

090115 Pull Coil Timer
12 **V, No./wires** 3

090116 Pull Coil Timer
24 **V, No./wires** 3

Electro Valve

080787 Electro Valve
12 **V, Thread** M12-1.5, **Electro valve** Yes

080789 Electro Valve
12 **V, Thread** 1/2 »-20 UNF,
Electro valve Yes

080791 Electro Valve
12 **V, Thread** M14-1.5, **Electro valve** Yes

080792 Electro Valve
24 **V, Thread** M14-1.5, **Electro valve** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Advance Solenoids

080940 Actuator
Servicing: Fiat, Renault
12 **V**

080941 Actuator
Servicing: Ford
12 **V**

080942 Actuator
Servicing: Renault
12 **V**

081117 Actuator
12 **V**

081118 Actuator
12 **V**

081120 Actuator
12 **V**

081121 Actuator
12 **V**

Solenoid Stop

080177 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080178 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/o

080207 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080208 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/o

080209 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080210 Solenoid Stop
24 **V,** 24 **V 2, Ele**
ct. connection Connection, **Filter** w/o

080211 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/o

080212 Solenoid Stop
12 **V,** 12 **V 2, Ele**
ct. connection Connection, **Filter** w/o

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

080595 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

Pkg. 10

080680 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/

080681 Solenoid Stop
24 **V,** 24 **V 2, Filter** w/

080873 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

080926 Solenoid Stop
24 **V,** 24 **V 2**

080929 Solenoid Stop
12 **V,** 12 **V 2, Elect. connection** Cable, **Filter** w/o

Pkg. 10

080994 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o
w/o thread on the electrical connection.

080995 Solenoid Stop
12 **V,** 12 **V 2, Ele**
ct. connection Multiplug, **Filter** w/o

080996 Solenoid Stop
24 **V,** 24 **V 2, Ele**
ct. connection Multiplug, **Filter** w/o

080998 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

081000 Solenoid Stop
12 **V,** 12 **V 2, Type** Coil, **Function** Push, **Filter** w/o

081001 Solenoid Stop
24 **V,** 24 **V 2, Elect. connection** Cable, **Function** Pull, **Filter** w/o
Insulated.

081002 Solenoid Stop
24 **V,** 24 **V 2, Elect. connection** Cable, **Function** Push, **Filter** w/o
Insulated.

081166 Solenoid Stop
12 **V,** 12 **V 2, Filter** w/o

O.E.M. names and numbers are used for reference purposes only.

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Available while stock last, * Program development.

Pumps & Pump Parts

Electrical Bilge Pumps

070154 Bilge Pump
12 **V,** 5 **A**, **Dim.** 94.5x59 mm,
Hose connection 19 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 32 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 0.4
Model UP500. Completely submersible bilge pump. Compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070155 Bilge Pump
12 **V,** 10 **A**, **Dim.** 124.7x78 mm,
Hose connection 28.6 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 63 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 0.8
Model UP1000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070156 Bilge Pump
12 **V,** 20 **A**, **Dim.** 160x96 mm,
Hose connection 26.5 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 95 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 1.3
Model UP1500. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070157 Bilge Pump
12 **V,** 25 **A**, **Dim.** 200x96 mm,
Hose connection 31.8 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 126 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 1.8
Model UP2000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070185 Bilge Pump
24 **V,** 10 **A**, **Dim.** 160x96 mm,
Hose connection 26.5 mm,
Lift height 4 m, **Type** Bilge,
Pump housing ABS plastic,
Pump shaft Stainless steel,
Capacity 95 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 8849/8846, **Weight** 1.3
Model UP1500. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

070186 Bilge Pump
24 **V,** 15 **A**, **Dim.** 200x96 mm,
Hose connection 31.8 mm,
Lift height 4 m, **Pump housing** ABS plastic, **Pump shaft** Stainless steel,
Capacity 126 l/min, **Pressure** 0.45 bar,
Pressure 6.5 psi, **Gasket** Ceramic,
ISO norm 1 8849/8846, **Weight** 1.8
Model UP2000. Completely submersible bilge pump. compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

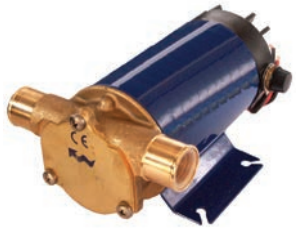
Accessories

070160 Automatic Float Switch
12/24 **V,** 10 **A**, **Dim.** 113x83x62 mm,
Height/closed 22 mm,
Height/open 57 mm, **Floating switch** w/
Made of corrosion resistant materials.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Electrical Water Pumps



070144 Water Pump
Servicing: Renault
12 **V,** 20 **A**, **Dim.** 176x120x94 mm,
Hose connection 25 mm,
Type 2 Impeller, **Impeller** Rubber,
Pump housing Brass,
Pump shaft Stainless steel,
Capacity 35 l/min, **Pressure** 0.8 bar,
Pressure 11.6 psi, **Non return valve** Yes,
ISO norm 8849/8846
Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2« BSP inner thread and ID 25 mm. bore hose connections. Main application: as a bilge pump.

070145 Water Pump
24 **V,** 15 **A**, **Dim.** 176x120x94 mm,
Hose connection 25 mm,
Type Water, **Type 2** Impeller,
Impeller Rubber, **Pump housing** Brass,
Pump shaft Stainless steel,
Capacity 35 l/min, **Pressure** 0.8 bar,
Pressure 11.6 psi, **Non return valve** Yes,
ISO norm 8849/8846
Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2« BSP inner thread and ID 25 mm. bore hose connections. Main application: as a bilge pump.

070153 Water Pump
Servicing: Opel
12 **V,** 10 **A**, **Dim.** 163x249x118 mm,
Hose connection 13 mm,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** PTFE,
Capacity 14 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/,
Non return valve Yes, **Weight** 2.2
Model UP6/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids.professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070172 Water Pump
24 **V,** 5 **A**, **Dim.** 163x249x118 mm,
Hose connection 14 mm, **Type** Water,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** PTFE,
Capacity 14 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/,
Non return valve Yes, **Weight** 2.2
Model UP4A. Self-priming 1.5 m. Self-priming electric gear pump equipped w/ filter, pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. pump body made of brass, bronze gears, stainless steel shaft.

Circulation Type

070192 Circulation Pump
Servicing: Ford, Seat, VW
12 **V,** **Hose connection** 20 mm,
Type Water, **Type 2** Impeller,
Capacity 14 l/min, **Floating switch** w/o

070203 Circulation Pump
Servicing: Saab, Scania, Ferrari, Maserati, Opel, Vauxhall
12 **V,** **Hose connection** 19 mm,
Type Water, **Type 2** Impeller, **Filter** w/

070206 Circulation Pump
Servicing: Mercedes-Benz
12 **V,** **Hose connection** 19 mm,
Type Water, **Type 2** Impeller, **Filter** w/o

Spare Parts

070146 Impeller
Servicing: Cargo 070144, 070145
Impeller Rubber

Accessories

070207 In line Filter
Servicing: Cargo 070153
Diameter: 14 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Electrical Fluid Pumps

070147 Fluid Pump

Servicing: Main application: transfer of diesel fuel, water antifreeze etc.

12 **V,** 10 **A**, **Dim.** 163x166x95 mm,
Hose connection 13 mm,
Type Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 15 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 1.4
Model UP3. Self-priming electrical pump w/ bronze gears for transfer of variousliquids, complete w/ inline filter. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8« BSP w/ brass connection for ID 14 mm inner tubing.

070148 Fluid Pump

Servicing: Main application: transfer of diesel fuel, water antifreeze etc.

24 **V,** 5 **A**, **Dim.** 163x166x95 mm,
Hose connection 13 mm,
Type Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 15 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 1.4 kg
Model UP3A. Self-priming 1.5 m. Selfpriming electric gear pump equipped w/ filter, pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Pump body made of brass, bronze gears, stainless steel shaft and a rubber lip seal. For ID 14 mm inner tubing.

070149 Fluid Pump

Servicing: Main application: transfer of diesel fuel, water antifreeze etc.

12 **V,** 15 **A**, **Dim.** 199x174x108 mm,
Hose connection 16 mm, **Type 1** Fluid,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 26 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 3.1
Self-priming electric pump with helical bronze gears, complete with in-line filter. Nickel plated brass bedy with stainless steel shaft. Ports: ½" BSP with brass connection for Ø 16 mm inner tubing.

070150 Fluid Pump

Servicing: Main application: transfer of diesel fuel, water antifreeze etc.

24 **V,** 7.5 **A**, **Dim.** 199x174x108 mm,
Hose connection 16 mm, **Type** Gear,
Pump housing Brass,
Pump shaft Stainless steel, **Pinion** Brass,
Capacity 26 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Filter** w/, **Weight** 3.1
Self-priming electric pump with helical bronze gears, complete with in-line filter. Nickel plated brass bedy with stainless steel shaft.Ports: ½" BSP with brass connection for Ø 16 mm inner tubing.

070151 Fluid Pump

12 **V,** 7.5 **A**, **Dim.** 139x108x86 mm,
Hose connection 14 mm, **Type** Gear,
Pump housing Brass,
Pump shaft Stainless steel, **Pinion** Bronze,
Capacity 1 l/min, **Gasket** Rubber,
Non return valve Yes, **Weight** 1.4
Model UP3/ oil. Self-priming 1 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070152 Fluid Pump

12 **V,** 10 **A**, **Dim.** 166x117x94 mm,
Hose connection 14 mm, **Type 2** Gear,
Pump housing Brass,
Pump shaft Stainless steel, **Pinion** Bronze,
Capacity 1.25 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Weight** 2.5
Model UP6/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids.professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

070173 Fluid Pump

24 **V,** 7.5 **A**, **Dim.** 166x117x94 mm,
Hose connection 14 mm, **Type** Gear,
Impeller Rubber, **Pump housing** Brass,
Pump shaft Stainless steel, **Pinion** Bronze,
Capacity 1.25 l/min, **Pressure** 2 bar,
Pressure 29 psi, **Weight** 2.5
Model UP6 w/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines.

070208 Electrical Fluid Pump HD

12 **V,** 30 **A**, **Dim.** 212x174x109 mm,
Hose connection 16 mm,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel,
Pinion Bronze,
Capacity 40 l/min, **Pressure** 2.5 bar,
Pressure 36 psi, **Filter** w/,
Non return valve Yes, **Weight** 4.3
Model UP12. Self-priming 4 m.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

070209 Electrical Fluid Pump HD
24 **V,** 15 **A**, **Dim.** 212x174x109 mm,
Hose connection 16 mm,
Type 2 Gear, **Pump housing** Brass,
Pump shaft Stainless steel,
Pinion Bronze,
Capacity 40 l/min, **Pressure** 2.5 bar,
Pressure 36 psi, **Filter** w/,
Non return valve Yes, **Weight** 4.3
Model UP12. Self-priming 4 m.

Spare Parts

070182 Brush Set
Servicing: Cargo 070144, -145, -149, -150, -152
Length 18.1 mm, **Height** 8.6 mm,
Thickness 5.6 mm

Electrical Fuel Pumps

Interrupter Pumps

070003 Fuel Pump
12 **V, Type** Universal, **Capacity** 113.5 l/h,
Pressure 4-5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60˚C
Incl. 2 pcs. 6 mm hose nipples. 8 mm: Cargo 080955. 8 mm angle: Cargo 070181. 10 mm: Cargo 081154.

070004 Fuel Pump
24 **V, Type** Universal, **Capacity** 113.5 l/h,
Pressure 4-5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60˚C
Incl. 2 pcs. 6 mm hose nipples. 8 mm: Cargo 080955. 8 mm angle: Cargo 070181.

070058 Fuel Pump
Servicing: Thermo King, Carrier
12 **V, Type** Universal, **Capacity** 113.5 l/h,
Pressure 7-9.5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60˚C
Incl. 2 pcs. 6 mm hose nipples. 8 mm: Cargo 080955. 8 mm angle: Cargo 070181. 10 mm: Cargo 081154.

070076 Fuel Pump
12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 113 l/h, **Pressure** 9-11.5 psi
w/ integral filter.

070134 Fuel Pump
Servicing: New-Holland, Same
12 **V, Thread** In/Out 1/4-18«,
Type Universal, **Capacity** 136 l/h,
Pressure 4-5 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off.
Prevents flooding and assures satisfactory restarting on the hottest days.
Vertical mounting near tank is preferred. to 1.1 mtr. Fuel lift.
Inlet/outlet 1/8"-27 thread.
Include Hose nipples Cargo 070009
Fitting instruction.
Fuel delivery capacity: 113.5 litre/h.
Tested at: +60˚C

Accessories

070177 Filter
Servicing: Cargo 070003, 070004, 070058, 070134

070183 Filter Kit
Servicing: Thermo King/Carrier pump 6103 W
Filter type Insert
For Cargo 070143.

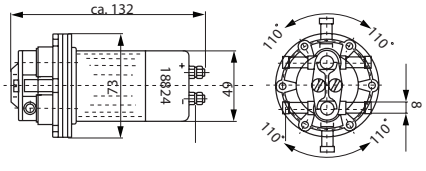
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pressure Pumps

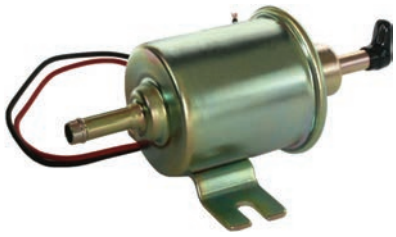
070032 Fuel Pump
12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 120 l/h, **Pressure** 0.2 bar
Hose nipple 8 mm. Suction 1 mtr. Connectors can be rotated. Fitting instruction included.

070078 Fuel Pump
12 **V, Type** Universal, **Capacity** 125 l/h, **Pressure** 0.35 bar
Hose nipple 8 mm. Suction 1.5 mtr. Connectors can be rotated. Fitting instruction included.



070107 Fuel Pump
24 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol,
Capacity 130 l/h, **Pressure** 0.35 bar
Hose nipple 8 mm. Suction 1.5 mtr. Connectors can be rotated. Fitting instruction included.

070143 Fuel Pump
Servicing: Thermo King/carrier, tested according to SAE J1537
12 **V, Thread** In/Out 1/8« NPSF,
Type Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 155 l/h,
Pressure 0.1 bar
Suction 1.2 mtr. Fitting instruction included.



070161 Fuel Pump
12 **V, Type** Universal,
Capacity 80-150 l/h, **Pressure** 0.1-0.4 kg, **Pressure** 1.4-5.7 psi
Hose nipple 8 mm.

070213 Fuel Pump
Servicing: Terex, Suzuki
12 **V, Type** In line, **Fuel** Gasoline,
Capacity min. 60 l/h

High Performance Fuel Pumps

070187 Fuel Pump
12 **V, Thread** In/Out 1/8« - 27NPTF,
Type Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 95 l/h,
Pressure 0.1-0.3 kg, **Pressure** 1.5-4 psi
(Solid state pumps).
Universal
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
W/ electronic contacts.
Fitting instruction included.
Supplied w/ 2 pcs. 6 mm hose connection.

070188 Fuel Pump
12 **V, Thread** In/Out 1/8« - 27NPTF,
Type Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 132 l/h,
Pressure 0.3-0.5 kg, **Pressure** 4-7 psi
(Solid state pumps).
Universal
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
W/ electronic contacts.
Fitting instruction included.
Austauschbare schlauchnippel. Supplied w/ 2 pcs. 6 mm hose connection.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

070191 Fuel Pump

12 **V, Thread** In/Out M8, **Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 130 l/h, **Pressure** 0.5-0.7 kg, **Pressure** 7-10 psi
(Solid state pumps).
Universal
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
W/ electronic contacts.
Fitting instruction included.
Standard 6 mm hose nipples.

Solid State Pumps

070056 Fuel Pump

Servicing: Caterpillar, IH/Case

24 **V, Type** Universal, **Capacity** 113.5 l/h, **Pressure** 0.3-0.45 kg, **Pressure** 4.5-6 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
Intel/outlet 1/8"-27 thread.
Included Hose nipples Cargo 070009
W/ electronic contacts.
Fitting instruction included.

070057 Fuel Pump

Servicing: Thermo King etc

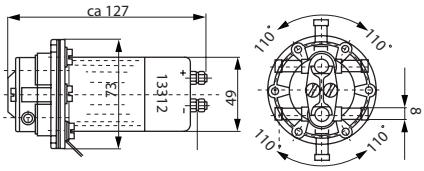
12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 34 l/h, **Pressure** 0.7 kg, **Pressure** 10 psi
Built in Pressure Relief: assures an immediate return to zero pressure when the ignition is turned off. Prevents flooding and assures satisfactory restarting on the hottest days.
For cars w/fuel-pressure. Not injection.
To be mounted near the tank.
The solid state pump is self priming to 30 cm. fuel lift.
Intel/outlet 1/8"-27 thread.
Included Hose nipples Cargo 070009
W/ electronic contacts.
Fitting instruction included.

Suction Pumps

070019 Fuel Pump

Servicing: Bobcat

12 **V, Thread** In/Out R-1/4«, **Type** Universal, **Fuel** Gasoline, **Capacity** 120 l/h, **Pressure** 0.1 = 1.3 mtr bar
Suction 0.2 bar = 2.7 mtr. Fitting instruction included.



070021 Fuel Pump

Servicing: VW

12 **V, Type** Universal, **Fuel** Gasoline/ diesel, **Capacity** 120 l/h, **Pressure** 0.15 bar
Hose nipple 8 mm. Suction 1 mtr. Connectors can be rotated. Fitting instruction included.

070184 Fuel Pump

Servicing: VW marine

12 **V, Type** Universal, **Fuel** Gasoline, diesel, ethanol, methanol, **Capacity** 120 l/h, **Pressure** 0.15 bar
Hose nipple 8 mm. Waterproof. Suction 1 mtr. Connectors can be rotated.

Universal

Hose Nipples

Pkg. 25

070067 Hose Nipple

Servicing: A5T16384

Screw terminal R1/4, **Hose ID** 10 mm

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All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 25

070070 Hose Nipple
Screw terminal M16-1.5, **Hose ID** 10 mm

Pkg. 25

070077 Hose Nipple
Screw terminal 1/8-27 NPTF, **Hose ID** 6 mm

Pkg. 10

070181 Hose Nipple
Screw terminal R 1/8, **Hose ID** 8 mm
90°.

Diesel Pump Kits

070162 Diesel Transfer/Filter Kit
12 **V,** 15 **A**, **Dim.** 210x161x120 mm, **Hose connection** 25 mm, **Type 1** Fluid, **Type 2** Gear, **Impeller** Steel, **Capacity** 45 l/min, **Pressure** 1.2 bar, **Pressure** 17.4 psi, **Filter** w/
Includes: 2.5 m suction hose. 2.5 m pressure hose w/ gun. Wired connection w/ alligator clips. Switch on the pump. Bypass valve on the pump ensures that it is not overloaded by closed gun. Not to gasoline.

070175 Diesel Transfer/Filter Kit
24 **V,** 7.5 **A**, **Dim.** 210x161x120 mm, **Hose connection** 25 mm, **Type 1** Fluid, **Type 2** Gear, **Capacity** 45.1 l/min, **Pressure** 1.2 bar, **Pressure** 17.4 psi, **Filter** w/
2.5 m suction hose w/ filter. 2.5 m pressure hose w/ gun. 2 m cable w/ alligator clips. Switch on the pump. Bypass valve on the pump ensure against overloading. Not for gasoline.

Cabin Heaters

060210 Cabin Heater
12 **V, Water connection OD** 16 mm, **Type** Complete kit, **Capacity kW/ speed 1** 6, **Airflow speed 1** 360 m³/h, **Weight** 3 kg
w/ tube connection and switch.

060211 Cabin Heater
24 **V, Water connection OD** 16 mm, **Type** Complete kit, **Capacity kW/ speed** 6, **Airflow speed** 360 m³/h, **Weight** 3 kg
w/ tube connection and switch.

060216 Cabin Heater
12 **V,** 60 **W/speed 1,** 77 **W/speed 2,** 114 **W/speed 3, Dim.** 330x230x130 mm, **Water connection OD** 16 mm, **Cabinet** Stainless steel, **Capacity kW/ speed 1** 7.2, **Capacity kW/speed 2** 9.3, **Capacity kW/speed 3** 12.2, **Airflow speed 1** 264 m³/h, **Airflow speed 2** 357 m³/h, **Airflow speed 3** 504 m³/h, **Regulation** w/, **Weight** 6.3 kg
The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side.

060220 Cabin Heater
24 **V,** 60 **W/speed 1,** 77 **W/speed 2,** 114 **W/speed 3, Dim.** 330x230x130 mm, **Water connection OD** 16 mm, **Cabinet** Stainless steel, **Capacity kW/ speed 1** 7.2, **Capacity kW/speed 2** 9.2, **Capacity kW/speed 3** 12.2, **Airflow speed 1** 264 m³/h, **Airflow speed 2** 357 m³/h, **Airflow speed 3** 504 m³/h, **Weight** 6.3 kg
The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side. Blower: Cargo 160649.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

060222 Cabin Heater
12 **V,** 24 **W/speed,**
Dim. 267x106x135 mm,
Water connection OD 12 mm,
Type Complete kit, **Cabinet** Metal,
Capacity kW/ speed 1.9,
Airflow speed 76 m³/h, **Weight** 3 kg
This Cabin heater is easily installed in small off road vehicles or as auxiliary heater in buses and delivery vans. The heating cycle is controlled by means of the built-in 1/4-turn water valve and the built-in switch.
Heat-On 1331-12.

060223 Cabin Heater
12 **V,** 230 **W/speed 2,**
Dim. 310x210x130 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Galvanized steel w/black polyester,
Capacity kW/ speed 1 4.3,
Capacity kW/speed 2 6.3,
Capacity kW/speed 3 9.2,
Airflow speed 1 180 m³/h,
Airflow speed 2 288 m³/h,
Airflow speed 3 468 m³/h,
Regulation w/, **Weight** 5.8 kg
This very powerful cabin heater is used for airrecirculation and has all connections behind a cover allowing hoses and cables to be led in any direction. It has a powerful fan (230 W), controlled by means of a built-in 1/4-turn water valve. Efficient distribution of the air through the adjustable air vents provides for demisting of the cabin screens w/o the use of extra tubes and nozzles.

060233 Cabin Heater
24 **V,** 230 **W/speed,**
Dim. 310x210x130 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Galvanized steel w/black polyester,
Capacity kW/ speed 1 4.3,
Capacity kW/speed 2 6.3,
Capacity kW/speed 3 9.2,
Airflow speed 1 180 m³/h,
Airflow speed 2 288 m³/h,
Airflow speed 3 468 m³/h,
Regulation w/, **Weight** 5.8 kg

060235 Cabin Heater
24 **V,** 60 **W/speed 1,**
77 **W/speed 2,** 114 **W/speed 3,**
Dim. 365x235x130 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Metal,
Capacity kW/ speed 1 7.2,
Capacity kW/speed 2 9.3,
Capacity kW/speed 3 12.2,
Airflow speed 1 264 m³/h,
Airflow speed 2 357 m³/h,
Airflow speed 3 504 m³/h,
Regulation w/, **Weight** 6.3 kg
Especially suitable for heating the passenger room in for instance buses.

060241 Cabin Heater
Servicing: Delivery vans, escavators, park tractors
12 **V,** 75 **W/speed,**
Dim. 273x114x199 mm,
Water connection OD 16 mm,
Type Complete kit, **Cabinet** Shockproof plastic, **Capacity kW/speed 2** 4.3,
Airflow speed 2 230 m³/h,
Regulation w/, **Weight** 1.7 kg
Radiator: copper/aluminium.

Heater Motors

060059 Cabin Heater Motor
12 **V,** 24 **W, Dim.** 72 mm, **Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 1-speed,
No./shafts 1, **Fan mounted** No
Heat-on 1531M-2412.

060060 Cabin Heater Motor
24 **V,** 24 **W, Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 1-speed,
No./shafts 1, **Fan mounted** No
Heat-on 1531M-2424.

060213 Cabin Heater Motor
Servicing: Cargo 060210
12 **V,** 50 **W, Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 2-speed
Heat-on 1351M-5012.

060214 Cabin Heater Motor
Servicing: Cargo 060211
24 **V,** 50 **W, Dia.** 70 mm,
Shaft dia. 6.35x16 mm, **Mount.** 3 holes,
Length 63 mm, **Speed** 1-speed
Heat-on 1531M-5024.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Connectors

060229 Round Air Vent
ID 70/76 mm, **OD** 101 mm
Heat-on 66231.

Spare Parts

060215 Fan
Servicing: Cargo 060210, 060211
OD 120 mm
Heat-on 1531-10.

Accessories

060058 Defroster Set
Servicing: Cargo 060210, 060211
ID/demister tube connection 45 mm,
Demister tube length 160 cm,
Rubber elbows 2, **Demist nozzles** 2
Heat-on 1518.

060219 Air Distribution Kit
Servicing: Cargo 060216, 060220
Demister tube ID 75 mm,
Demister tube length 620 cm
Heat-on 3050-30.

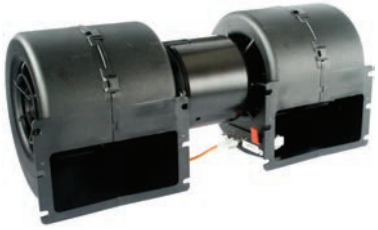
060227 Water Valve
Demister tube ID 1/4 mm,
ID/demister tube connection 16 mm,
Demister tube length 11.2 cm
Heat-on 2100.

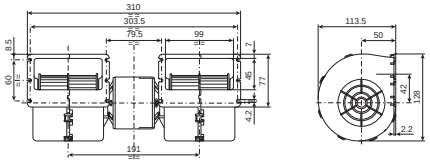
060237 Demister Tube
Demister tube ID 50 mm

Fans & Blowers

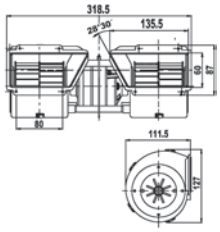
Blowers

Centrifugal Type

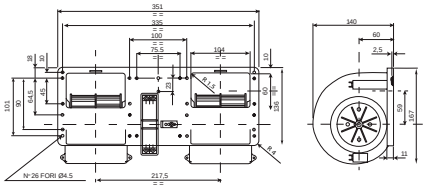




160483 Centrifugal Blower
Servicing: Cargo 060216
12 **V, Dim.** 113.1x127.5 mm,
Shaft dia. 50.1 mm, **Length** 310 mm,
Speed 3-speed, **Capacity** 750 m³,
Pressure 0 psi



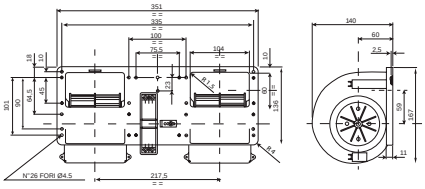
160510 Centrifugal Blower
Servicing: New Holland tractors
12 **V, Dia.** 111.7x124.6 mm,
Shaft dia. 54.9 mm, **Length** 317 mm,
Speed 3-speed, **Capacity** 650 m³,
Pressure 0 psi



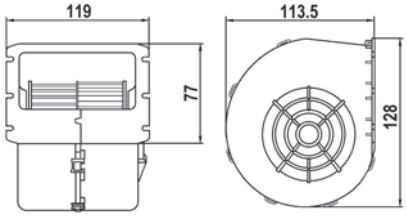
160511 Centrifugal Blower
Servicing: Deutz Tractors, New Holland
12 **V,** 34 **A, Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 1-speed, **Capacity** 840 m³,
Pressure 0 psi
This model have to be used w/ a static pressure that is higher than 0.1 psi. (pressure cabins).

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

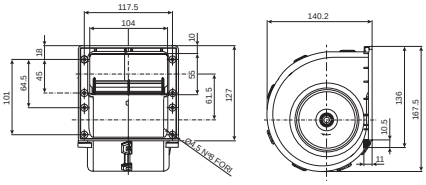
O.E.M. names and numbers are used for reference purposes only.



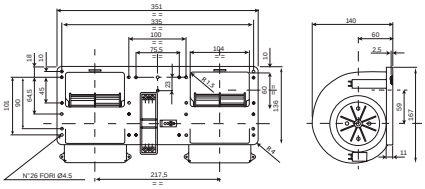
160512 Centrifugal Blower
24 **V, Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 3-speed, **Capacity** 1160 m³,
Pressure 0 psi



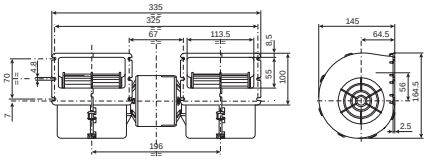
160593 Centrifugal Blower
12 **V, Dia.** 113.1x127.5 mm,
Shaft dia. 50.1 mm, **Length** 119 mm,
Speed 3-speed, **Capacity** 260 m³,
Pressure 0 psi



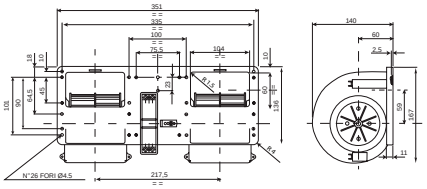
160639 Centrifugal Blower
12 **V,** 19.9 **A**, **Dia.** 140.2x167.8 mm,
Shaft dia. 60.4 mm, **Length** 133.5 mm, -
Speed 3-speed, **Capacity** 510 m³,
Pressure 0 psi



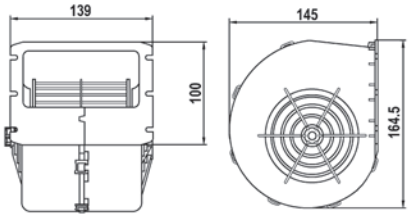
160557 Centrifugal Blower
24 **V, Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 3-speed, **Capacity** 1050 m³,
Pressure 0 psi, **No./fans** 2



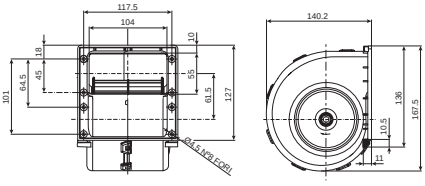
160594 Centrifugal Blower
24 **V, Dia.** 146x163.9 mm,
Shaft dia. 65 mm, **Length** 335 mm,
Speed 3-speed, **Capacity** 1050 m³,
Pressure 0 psi



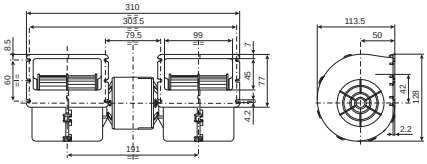
160647 Centrifugal Blower
12 **V,** 17.2 **A**, **Dia.** 139.8x167.5 mm,
Shaft dia. 60 mm, **Length** 351 mm,
Speed 3-speed, **Capacity** 910 m³,
Pressure 0 psi



160592 Centrifugal Blower
12 **V,** 19.6 **A**, **Dia.** 146x163.9 mm,
Shaft dia. 65 mm, **Length** 139 mm,
Speed 3-speed, **Capacity** 540 m³,
Pressure 0 psi



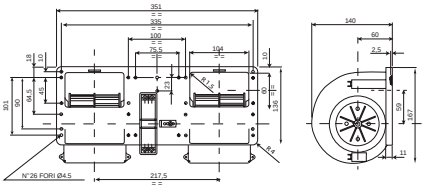
160596 Centrifugal Blower
24 **V,** 11.1 **A**, **Dia.** 140.2x167.8 mm,
Shaft dia. 60.4 mm, **Length** 133.5 mm, -
Speed 3-speed, **Capacity** 530 m³,
Pressure 0 psi



160649 Centrifugal Blower
Servicing: Cargo 060220
24 **V, Dia.** 113.1x127.5 mm,
Shaft dia. 50.1 mm, **Length** 310 mm,
Speed 3-speed, **Capacity** 750 m³,
Pressure 0 psi, **Complete w/housing** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160878 Centrifugal Blower
Servicing: Volvo
24 **V, Dia.** 139.8x167.5 mm, **Shaft dia.** 60 mm, **Length** 351 mm, **Speed** 4-speed, **Capacity** 1050 m³, **No./fans** 2, **Complete w/housing** Yes

Fan/Heater Motors

Universal

Single Shafts

160005 Universal Motor
12 **V,** 40 **W, Dia.** 60 mm, **Shaft dia.** 8x22 mm, **Length** 121 mm, **Revolutions** 2000 min, **Speed** 1-speed
Universal.

160006 Universal Motor
24 **V,** 40 **W, Dia.** 60 mm, **Shaft dia.** 8x22 mm, **Length** 121 mm, **Revolutions** 2000 min, **Speed** 1-speed
Universal.

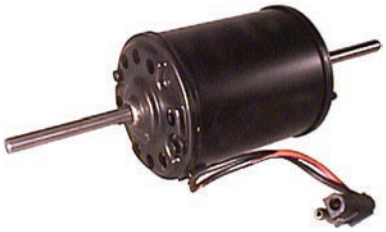
160674 Universal Motor
12 **V, Dim.** 58x107 mm, **Dia.** 51 mm, **Length** 107 mm
Universal.

160734 Blower motor
Servicing: Volvo
12 **V, Dia.** 73 mm, **Shaft dia.** 8 mm, **Length** 148 mm, **No./shafts** 1, **Fan mounted** No, **Complete w/housing** No

Double Shafts

160250 Universal Motor
12 **V, Dia.** 90 mm, **Shaft dia.** 10x110 mm, **Length** 105 mm, **Speed** 3-speed, **No./shafts** 2
Universal.

160251 Universal Motor
24 **V, Dia.** 90 mm, **Shaft dia.** 10x110 mm, **Length** 107 mm, **Speed** 3-speed, **No./shafts** 2
Universal.



160252 Universal Motor
24 **V, Dia.** 82 mm, **Shaft dia.** 80x65 mm, **Length** 102 mm, **Speed** 1-speed, **No./shafts** 2
Universal.

160253 Universal Motor
12 **V, Dia.** 76 mm, **Shaft dia.** 80x83 mm, **Length** 86 mm, **Speed** 3-speed, **No./shafts** 2
Universal.

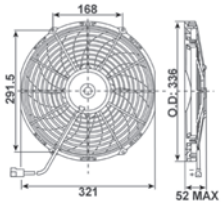
160622 DC Motor
Servicing: Massey Ferguson tractors 3070
12 **V, Dia.** 73 mm, **Shaft dia.** 8x51 mm, **Length** 223 mm, **Revolutions** 3100 min, **Type** Blowing, **No./shafts** 2
Universal.

160626 DC Motor
Servicing: Fiat tractors
12 **V, Dia.** 59.5 mm, **Shaft dia.** 8 mm, **Length** 198 mm, **Revolutions** 4000 min, **Type** Blowing, **No./shafts** 2
Universal.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

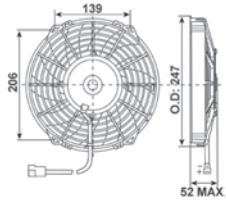
O.E.M. names and numbers are used for reference purposes only.

Axial Fans



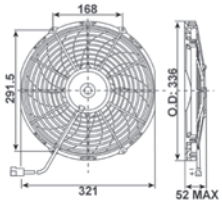
160536 Axial Fan

12 **V,** 6.2 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 1590 m³, **Fan mounted** Yes, **Tightness norm** IP 68



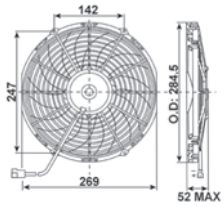
160537 Axial Fan

12 **V,** 6.7 **A**, **Dia.** 225 mm, **Type** Suction, **Capacity** 1060 m³, **Fan mounted** Yes, **Tightness norm** IP 68



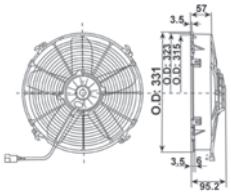
160538 Axial Fan

12 **V,** 6.7 **A**, **Dia.** 305 mm, **Type** Suction, **Capacity** 1540 m³, **Fan mounted** Yes, **Tightness norm** IP 68



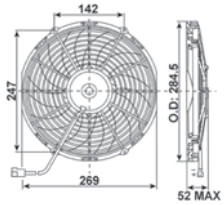
160539 Axial Fan

12 **V,** 8.7 **A**, **Dia.** 255 mm, **Type** Suction, **Capacity** 1360 m³, **Fan mounted** Yes, **Tightness norm** IP 68



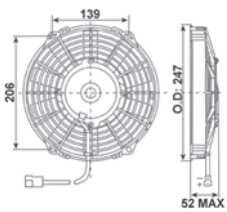
160584 Axial Fan

24 **V,** 7.4 **A**, **Dia.** 305 mm, **Type** Suction, **Capacity** 2900 m³, **Fan mounted** Yes, **Tightness norm** IP 68



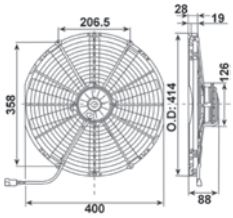
160587 Axial Fan

24 **V,** 3.9 **A**, **Dia.** 255 mm, **Type** Suction, **Capacity** 1300 m³, **Tightness norm** IP 68



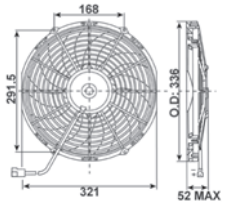
160588 Axial Fan

24 **V,** 4.1 **A**, **Dia.** 225 mm, **Type** Blowing, **Capacity** 1080 m³, **Fan mounted** Yes, **Tightness norm** IP 68



160595 Axial Fan

24 **V,** 8.7 **A**, **Dia.** 385 mm, **Type** Blowing, **Capacity** 3540 m³, **Tightness norm** IP 68

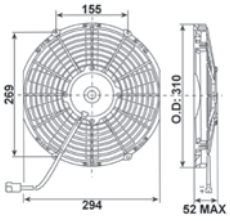


160597 Axial Fan

24 **V,** 3.9 **A**, **Dia.** 225 mm, **Type** Blowing, **Capacity** 1180 m³, **Fan mounted** Yes, **Tightness norm** IP 68

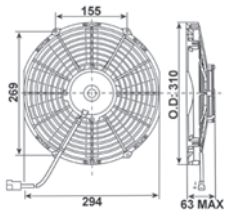
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.



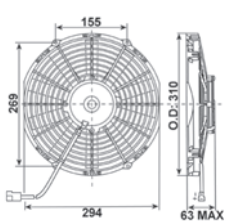
160598 Axial Fan

12 **V,** 7.8 **A**, **Dia.** 280 mm, **Type** Suction, **Capacity** 1390 m³, **Fan mounted** Yes, **Tightness norm** IP 68



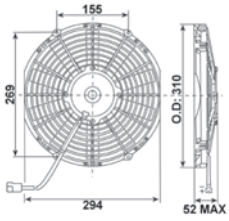
160599 Axial Fan

24 **V,** 4.4 **A**, **Dia.** 280 mm, **Type** Suction, **Capacity** 1690 m³, **Fan mounted** Yes, **Tightness norm** IP 68



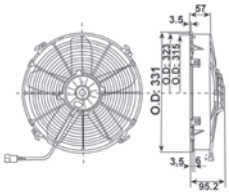
160600 Axial Fan

24 **V,** 4.1 **A**, **Dia.** 280 mm, **Type** Blowing, **Capacity** 1570 m³, **Tightness norm** IP 68



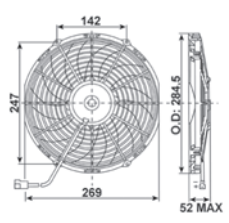
160601 Axial Fan

12 **V,** 7.7 **A**, **Dia.** 280 mm, **Type** Blowing, **Capacity** 1400 m³, **Fan mounted** Yes, **Tightness norm** IP 68



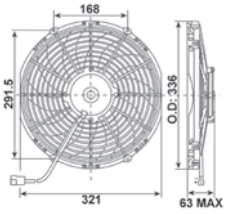
160619 Axial Fan

24 **V,** 7.8 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 2440 m³, **No./fans** 1, **Fan mounted** Yes, **Tightness norm** IP 68



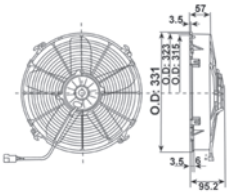
160714 Axial Fan

24 **V,** 3.7 **A**, **Dia.** 255 mm, **Type** Blowing, **Capacity** 1400 m³, **No./fans** 1, **Tightness norm** IP 68



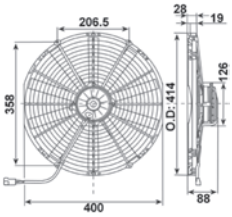
160737 Axial Fan

24 **V,** 6 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 2240 m³, **No./fans** 1, **Fan mounted** Yes, **Tightness norm** IP 68



160739 Axial Fan

12 **V,** 15.6 **A**, **Dia.** 305 mm, **Type** Suction, **Capacity** 2430 m³, **No./fans** 1, **Fan mounted** Yes, **Tightness norm** IP 68

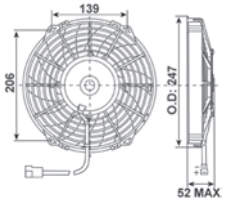


160777 Axial Fan

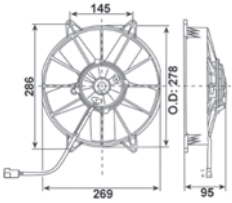
24 **V,** 9.3 **A**, **Dia.** 385 mm, **Type** Suction, **Capacity** 3440 m³, **No./fans** 1, **Tightness norm** IP 68

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

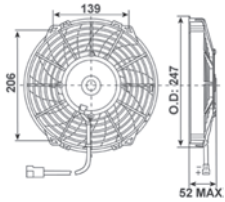
O.E.M. names and numbers are used for reference purposes only.



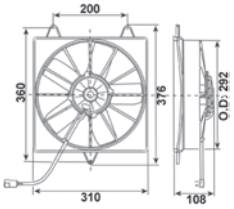
160799 Axial Fan
24 **V,** 4 **A**, **Dia.** 225 mm, **Type** Suction, **Capacity** 1170 m³, **Fan mounted** Yes, **Tightness norm** IP 68



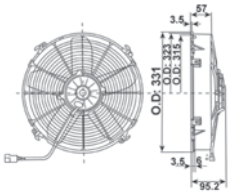
160907 Axial Fan
24 **V,** 5.7 **A**, **Dia.** 255 mm, **Type** Suction, **Capacity** 1990 m³, **Fan mounted** Yes, **Tightness norm** IP 68



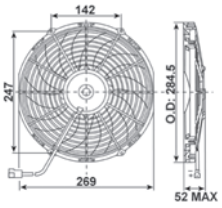
160910 Axial Fan
12 **V,** 7.2 **A**, **Dia.** 225 mm, **Type** Blowing, **Capacity** 1080 m³, **Fan mounted** Yes, **Tightness norm** IP 68



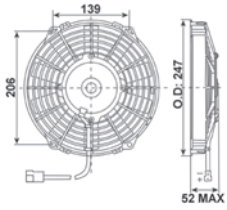
160885 Axial Fan
12 **V,** 12.7 **A**, **Dia.** 280 mm, **Type** Suction, **Capacity** 2390 m³, **Fan mounted** Yes, **Tightness norm** IP 68



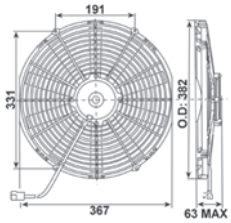
160908 Axial Fan
24 **V,** 7.1 **A**, **Dia.** 305 mm, **Type** Blowing, **Capacity** 2760 m³, **Fan mounted** Yes, **Tightness norm** IP 68



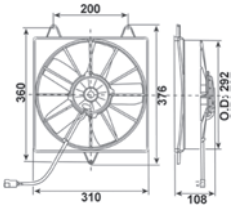
160911 Axial Fan
12 **V,** 7.6 **A**, **Dia.** 255 mm, **Type** Blowing, **Capacity** 1430 m³, **Fan mounted** Yes, **Tightness norm** IP 68



160906 Axial Fan
24 **V,** 3.7 **A**, **Dia.** 225 mm, **Type** Suction, **Capacity** 1070 m³, **Fan mounted** Yes, **Tightness norm** IP 68



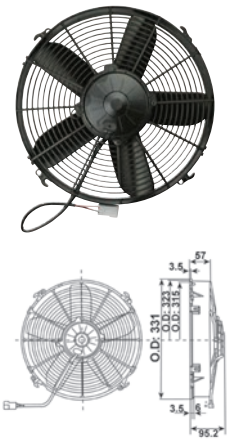
160909 Axial Fan
24 **V,** 4.9 **A**, **Dia.** 350 mm, **Type** Suction, **Capacity** 2170 m³, **Fan mounted** Yes, **Tightness norm** IP 68



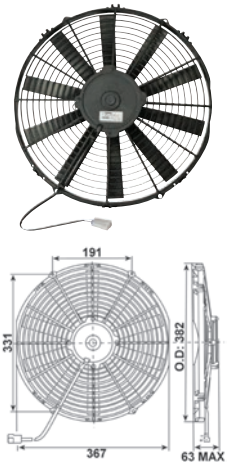
160912 Axial Fan
12 **V,** 11.4 **A**, **Dia.** 280 mm, **Type** Blowing, **Capacity** 2280 m³, **Fan mounted** Yes, **Tightness norm** IP 68

O.E.M. names and numbers are used for reference purposes only.

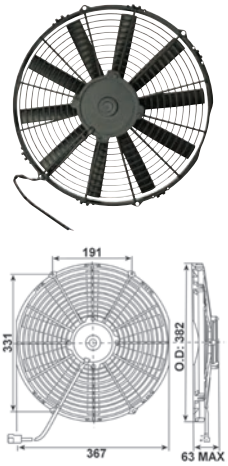
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160913 Axial Fan
12 **V,** 15.3 **A**, **Dia.** 305 mm,
Type Blowing, **Capacity** 2340 m³,
Fan mounted Yes, **Tightness norm** IP 68



160914 Axial Fan
12 **V,** 9.5 **A**, **Dia.** 350 mm, **Type** Suction,
Capacity 2220 m³, **Fan mounted** Yes,
Tightness norm IP 68



160915 Axial Fan
12 **V,** 8.7 **A**, **Dia.** 350 mm, **Type** Blowing,
Capacity 2140 m³, **Fan mounted** Yes,
Tightness norm IP 68

Accessories

160966 Mount. kit
Total length ^s180, **Washer** w/

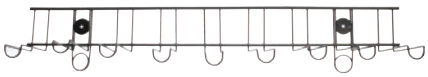
Wiper Systems

Wiper Blades

For Passenger Cars

Standard Type

160628	280 mm	11”
160633	330 mm	13”
160635	350 mm	14”
160638	380 mm	15”
160641	410 mm	16”
160643	430 mm	17”
160645	450 mm	18”
160648	480 mm	19”
160650	500 mm	20”
160653	530 mm	21”
160655	550 mm	22”
160661	610 mm	24”



160586 Wiper Blade Display W/O CARGO SIGN
Servicing: Passenger cars

Spoiler

160741	400 mm	16”
160745	450 mm	18”
160748	480 mm	19”
160750	510 mm	20”
160753	530 mm	22”
160755	550 mm	22”
160761	610 mm	24”
160766	660 mm	26”
160771	710 mm	28”

For Trucks

160321	400 mm	16”	
160322	450 mm	18”	
160323	500 mm	20”	
160325	600 mm	24”	
160326	600 mm	24”	
160327	650 mm	26”	For curved glass
160328	700 mm	28”	
160329	800 mm	32”	
160330	1000 mm	40”	
160370	650 mm	26”	
160411	700 mm	28”	

Industrial

160019	300 mm	12”	
160025	360 mm	14”	For flat glass
160026	400 mm	16”	For flat glass
160028	330 mm	13”	
160035	350 mm	14”	

Wiper Arms

160022 Wiper Arm
Dim./wiper arm 8x2 mm,
Mount./wiper shaft dim. 6 mm,
Length 390 mm, **Type** Single

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

160023 Wiper Arm
Servicing: Opel
Dim./wiper arm 8x2 mm,
Mount./wiper shaft dim. 6 mm,
Length 420 mm, **Type** Single

160024 Wiper Arm
Servicing: Opel
Dim./wiper arm 8x2.5 mm,
Mount./wiper shaft dim. 6 mm,
Length 450 mm, **Type** Single

160256 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 450 mm, **Length/adjustable** No
Wiper motor: Cargo 160258, 160290, 160291, 160357, 160408.

160257 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 400 mm, **Length/adjustable** No,
Type Parallel
Usable w/ Cargo 160258, 160290, 160291, 160357, 160408.

160338 Wiper Arm
Servicing: Cargo 160727
Mount./wiper shaft dim. 2 x 8 mm cone, **Dist./wiper arms** 55 mm,
Length 700 mm, **Length/adjustable** No,
Type Parallel
Usable w/ wiper motor: Cargo 160340, 160345.

160339 Wiper Arm
Mount./wiper shaft dim. 6 mm + M8 shaft, **Dist./wiper arms** 57 mm,
Length 400 mm
Length/adjustable No, **Type** Parallel
Wiper motor: Cargo 160292, 106293.

160358 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 500 mm, **Length/adjustable** No
Wiper motor: Cargo 160258, 160290, 160291, 160357, 160408.

160359 Wiper Arm
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 550 mm, **Length/adjustable** No,
Type Parallel
Wiper motor: Cargo 160258, 160290, 160291, 160357, 160408.

160484 Wiper Arm
Mount/wiper blade 9x2.5 mm hook,
Mount./wiper shaft dim. M6 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 340-420 mm,
Length/adjustable Yes, **Type** Parallel
Usable w/ Cargo 160258, 160480.

160485 Wiper Arm
Mount/wiper blade 9x2.5 mm hook,
Mount./wiper shaft dim. M8 cone + M8 shaft, **Dist./wiper arms** 57 mm,
Length 430-500 mm,
Length/adjustable Yes, **Type** Parallel

160486 Wiper Arm
Mount/wiper blade 9 x 3 mm hook,
Mount./wiper shaft dim. M8 cone,
Length 340-420 mm,
Length/adjustable Yes, **Type** Single

160487 Wiper Arm
Mount/wiper blade 9 x 3 mm hook,
Mount./wiper shaft dim. M8 cone,
Length 430-500 mm,
Length/adjustable Yes, **Type** Single

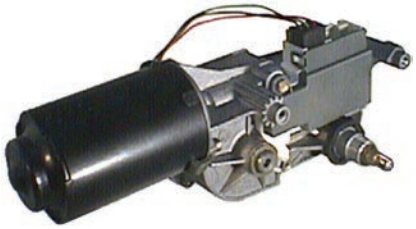
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

160571 Wiper Arm
Mount./wiper shaft dim. 2 x 8 mm cone, **Dist./wiper arms** 60 mm, **Length** 680 mm, **Type** Parallel

Wiper Motors

160150 Wiper Motor
Servicing: Fiat 127, Lada 2101
12 **V, Type** OE.



160376 Wiper Motor
Servicing: Fiat Uno
12 **V, Type** OE.

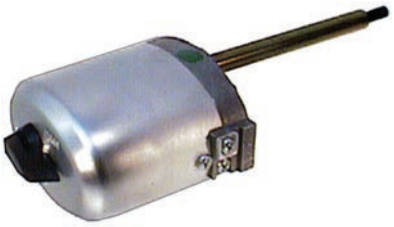
160395 Wiper Motor
Servicing: Nissan Patrol 86-93
12 **V, Type** OE., **Position** Rear windscreen

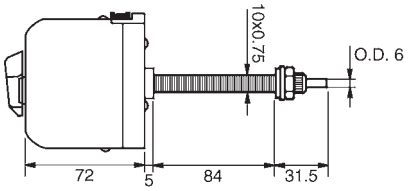
160396 Wiper Motor
Servicing: Nissan Patrol 86-93
24 **V, Position** Rear windscreen

160671 Wiper Motor
Servicing: Citroen, Fiat, Peugeot
12 **V, Position** Front windscreen

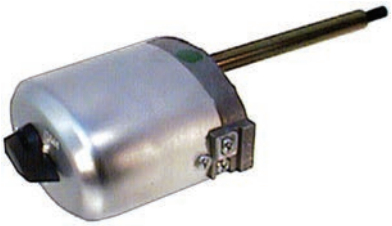
160881 Wiper Motor
Servicing: TEREX/SCHAEFF 5388665196
12 **V, Shaft length** 38 mm, **Wiper shaft** w/ 1 Shaft, **Type** OE., **Built in switch** No, **Auto stop** Yes, **Auto stop/placement** Left side

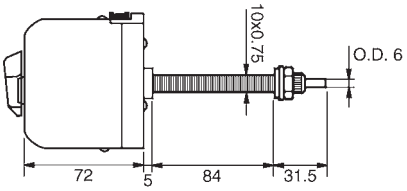
Universal



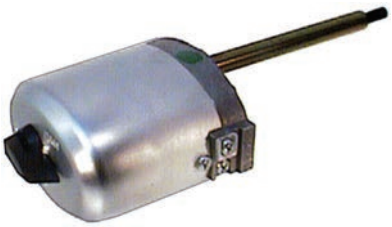


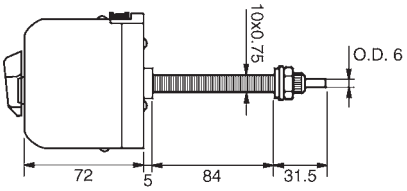
160031 Wiper Motor
12 **V, Wiper angle** 85 °, **Type** Universal, **Built in switch** Yes, **Auto stop** No
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.



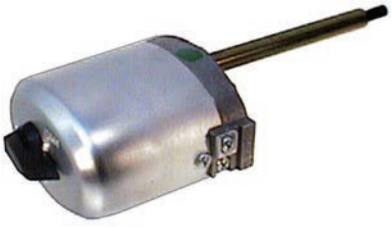


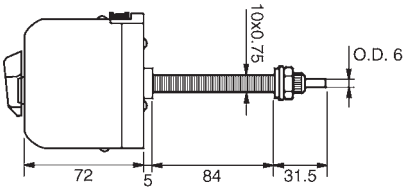
160032 Wiper Motor
24 **V, Wiper angle** 85 °, **Type** Universal, **Built in switch** Yes, **Auto stop** No
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.





160033 Wiper Motor
12 **V, Wiper angle** 110 °, **Type** Universal, **Built in switch** Yes, **Auto stop** No
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

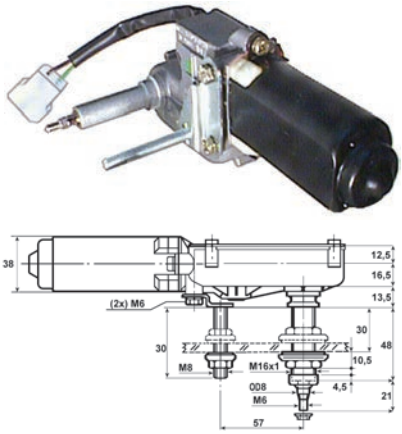




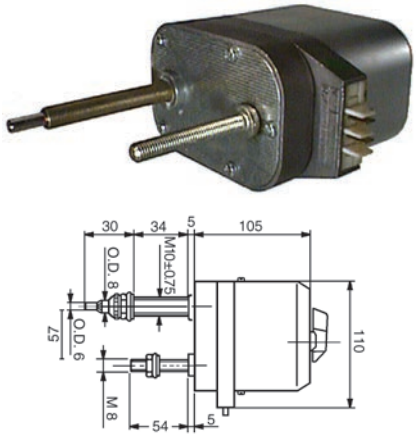
160034 Wiper Motor
24 **V, Wiper angle** 110 °, **Type** Universal, **Built in switch** Yes, **Auto stop** Yes
Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

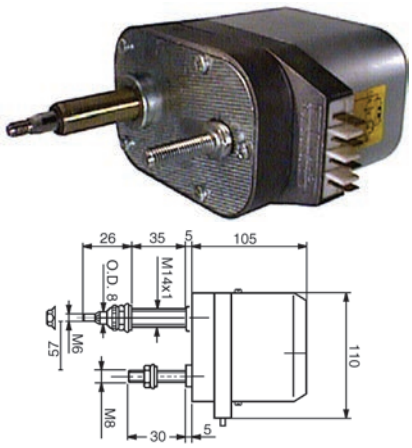
O.E.M. names and numbers are used for reference purposes only.



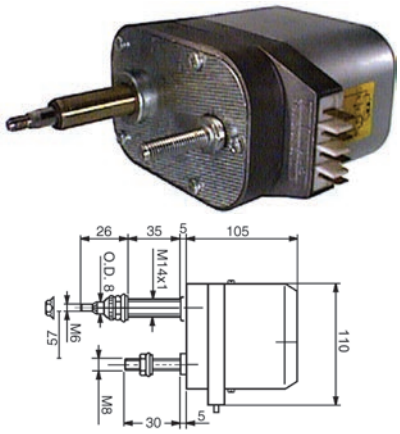
160258 Wiper Motor
12 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Built in switch** No, **Auto stop** Yes
w/ reciprocating shaft.



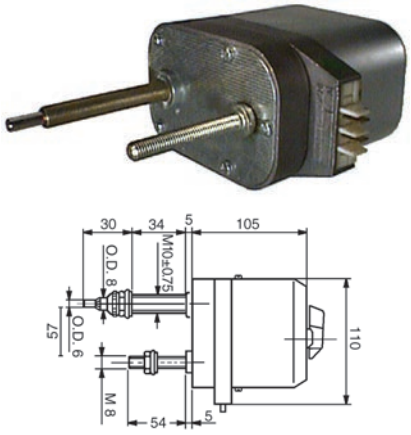
160292 Wiper Motor
12 **V, Wiper angle** 110 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Built in switch** Yes, **Auto stop** No
w/ reciprocating shaft.



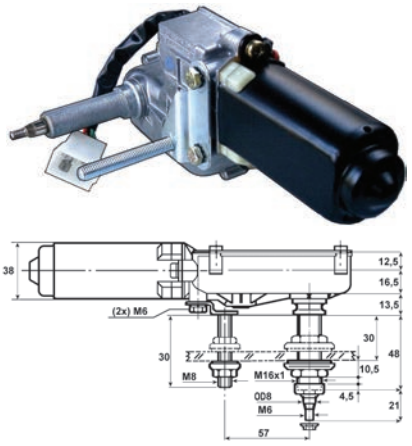
160357 Wiper Motor
12 **V, Wiper angle** 90 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Built in switch** Yes, **Auto stop** No
w/ reciprocating shaft.



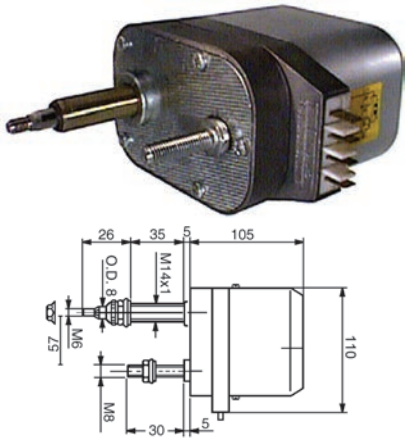
160290 Wiper Motor
12 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Built in switch** No, **Auto stop** Yes, **Auto stop/placement** Left side
w/ reciprocating shaft.



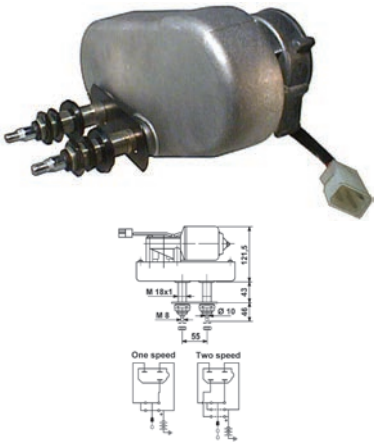
160293 Wiper Motor
24 **V, Wiper angle** 110 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Built in switch** Yes, **Auto stop** No
w/ reciprocating shaft.



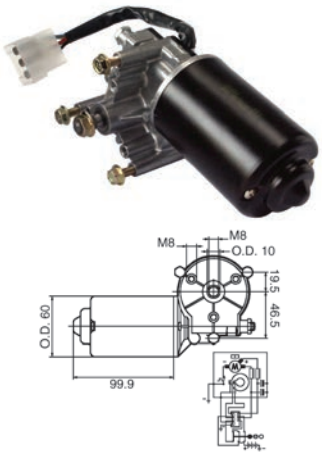
160408 Wiper Motor
24 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Auto stop** Yes
w/ reciprocating shaft.



160291 Wiper Motor
24 **V, Wiper angle** 95 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Auto stop** Yes, **Auto stop/placement** Left side
w/ reciprocating shaft.



160345 Wiper Motor
24 **V, Wiper angle** 80 °,
Dist./shafts 55 mm, **Wiper shaft** w/ 2 shafts for parallelogram, **Type** Universal, **Position** Front, **Auto stop** Yes, **Auto stop/placement** Left side



160503 Wiper Motor
12 **V, Type** Universal, **Built in switch** No, **Auto stop** Yes

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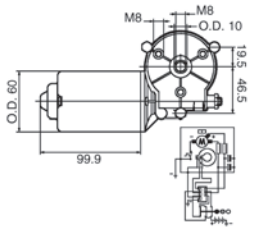
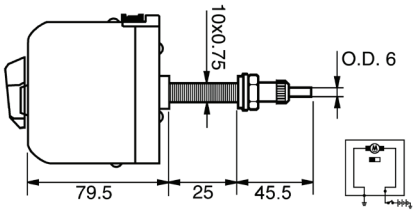
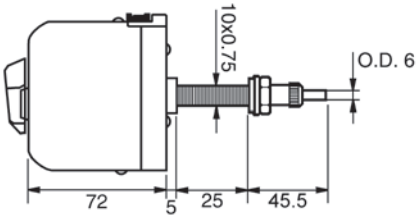
Available while stock last, * Program development.



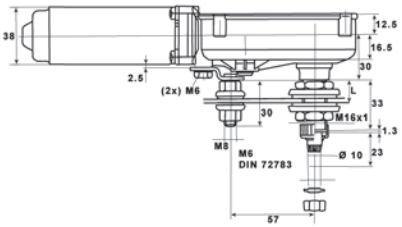
160504 Wiper Motor
24 **V, Type** Universal, **Auto stop** Yes



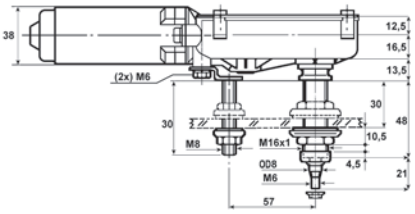
160506 Wiper Motor
12 **V, Wiper angle** 110 °,
Wiper shaft w/ 1 Shaft, **Type** Universal,
Built in switch Yes
Moment: 0.8NM.



160558 Wiper Motor
12 **V, Wiper angle** 85 °,
Wiper shaft w/ 1 Shaft, **Type** Universal,
Position Rear windscreen,
Built in switch Yes
Black motor.



160659 Wiper Motor
12 **V, Wiper angle** 85 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 M8 shafts for parallelogram, **Type** Universal,
Built in switch No, **Auto stop** Yes
1 speed.



160725 Wiper Motor
12 **V, Wiper angle** 90 °,
Dist./shafts 57 mm, **Wiper shaft** w/ 2 M8 shafts for parallelogram, **Type** Universal,
Built in switch Yes, **Auto stop** Yes,
Auto stop/placement Right side

Windscreen Washers

Kits

160186 Washer Kit
12 **V, Type** Complete kit,
Capacity 140 ml/min, **Can capacity** 1.2 l,
Can w/
Pump: Cargo 160386. Meassurements 130x190x100 mm.

160273 Washer Kit
24 **V, Type** Complete kit,
Can capacity 1.2 l, **Can** w/
Washer motor: Cargo 160360.

Tanks

12V

160187 Washer Tank
12 **V, Type** Can, **Can capacity** 3 l,
Can w/
Sprinkler pump: Cargo 160360. Dim: 200x207x100 mm.

160973 Washer Tank 12v
12 **V, Type** Can, **Can capacity** 1.2 l,
Can w/
Pump: Cargo 160386. Meassurements 130x190x100 mm.

24V

160188 Washer Tank
24 **V, Type** Can, **Can capacity** 3 l,
Can w/
Washer motor: Cargo 160360.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

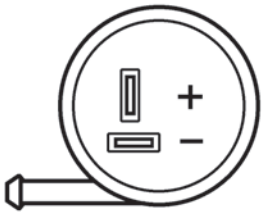
O.E.M. names and numbers are used for reference purposes only.

160967 Washer Tank

24 **V, Type** Can, **Can capacity** 2.1 l, **Can** w/ pump

Doga ref. 232.2001.30.00.

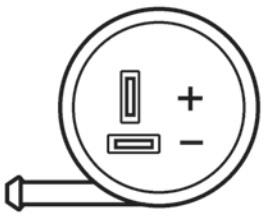
Pumps



160197 Washer Pump

Servicing: Porsche, Opel, Mercedes, Volvo, Ford, Volkswagen, Alfa Romeo, Audi, BMW, Fiat, Ford, Lancia, Mercedes-Benz, Opel

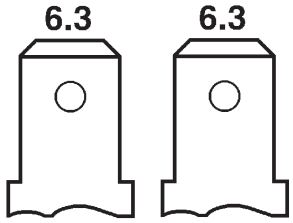
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2400 ml/min



160198 Washer Pump

Servicing: Scania, Mercedes-Benz, Opel

24 **V, Type** Universal, **Pump type** Single, **Capacity** 2400 ml/min

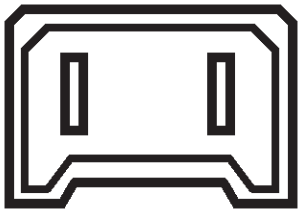


160223 Washer Pump

Servicing: Peugeot 104, 504

12 **V, Type** Universal, **Pump type** Single, **Capacity** 1500 ml/min

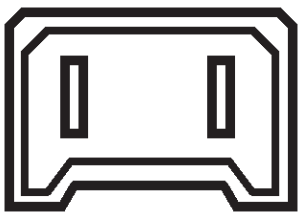
For independent mounting in engine compartment.



160289 Washer Pump

Servicing: Peugeot, Citroen, Renault

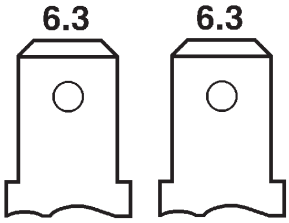
24 **V, Pump type** Single, **Capacity** 1500 ml/min, **Quality** HD



160332 Washer Pump

Servicing: Peugeot, Citroen, Renault

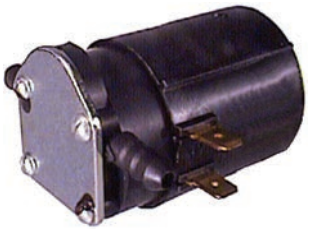
12 **V, Pump type** Single, **Capacity** 1500 ml/min, **Quality** HD

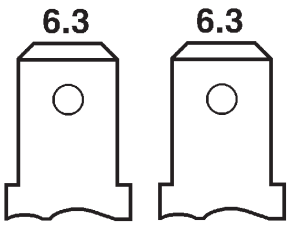


160360 Washer Pump

Servicing: Rover Group, Honda

12 **V, Type** Universal, **Pump type** Single, **Capacity** 1400 ml/min



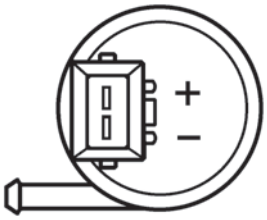


160361 Washer Pump

Servicing: Skoda Favorit

12 **V, Type** Standard, **Pump type** Single, **Capacity** 1200 ml/min

Replacing original pump 115930290 on Skoda Favorit.



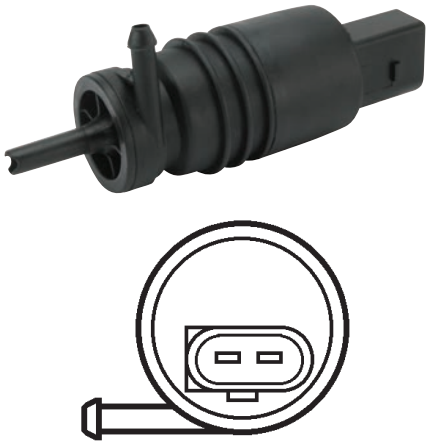
160378 Washer Pump

Servicing: Ford, Opel, Seat, VW

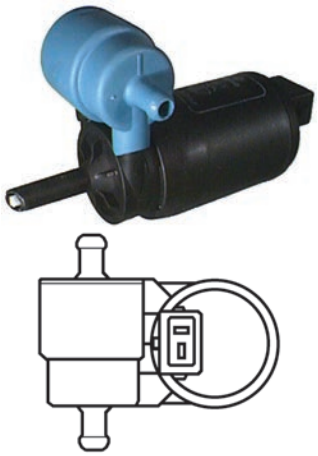
12 **V, Pump type** Single, **Capacity** 2200 ml/min

O.E.M. names and numbers are used for reference purposes only.

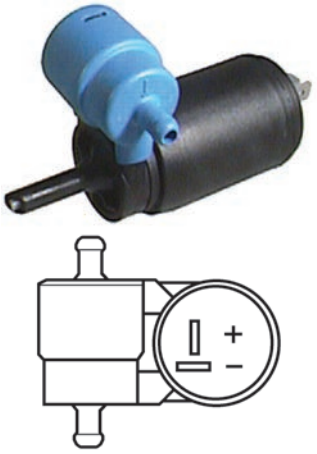
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



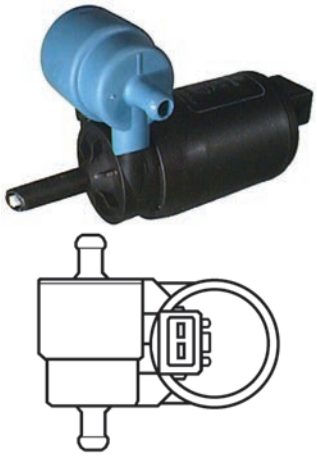
160379 Washer Pump
Servicing: Mercedes-Benz
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2200 ml/min



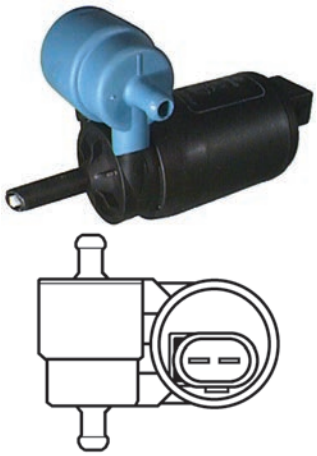
160380 Washer Pump
Servicing: Volkswagen, Opel, Seat, Ford
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2400 ml/min



160381 Washer Pump
Servicing: Fiat, Vauxhall, Audi, Ford, Opel, VW, Wartburg
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2000 ml/min

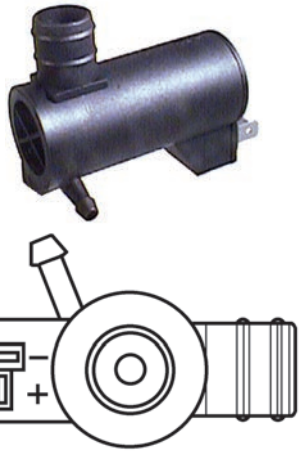


160382 Washer Pump
Servicing: Ford, Opel, Seat, Vauxhall, VW
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2400 ml/min

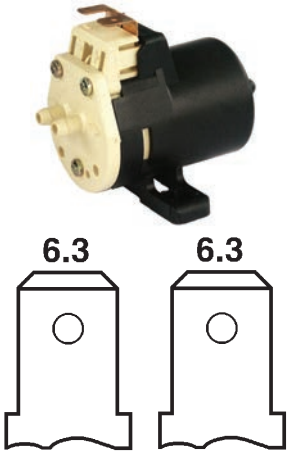


160383 Washer Pump
Servicing: VW, Smart, Seat, Audi, BMW
12 **V, Type** Universal, **Pump type** Dual, **Capacity** 2200 ml/min

160385 Washer Pump
Servicing: GM, Pontiac Firebird, Oldsmobile Ciera Delta
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2600 ml/min



160386 Washer Pump
Servicing: Honda Accort, Peugeot (UK), Ford
12 **V, Type** Universal, **Pump type** Single, **Capacity** 1800 ml/min

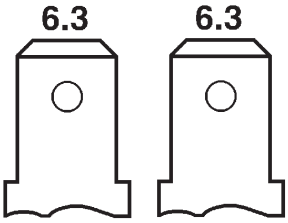


160507 Washer Pump
24 **V, Type** Universal, **Pump type** Single, **Capacity** 1500 ml/min

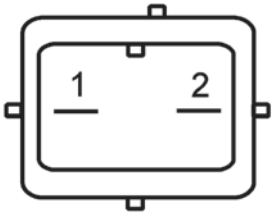
160535 Washer Pump
Servicing: Daihatsu, Ford, Mazda
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 1800 ml/min

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

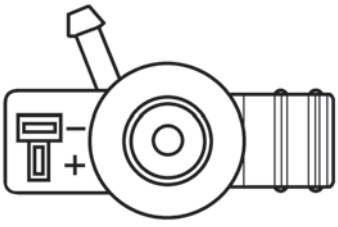
O.E.M. names and numbers are used for reference purposes only.



160583 Washer Pump
Servicing: Daihatsu, Mazda, Mitsubishi
12 **V, Type** Standard, **Pump type** Single, **Capacity** 1350 ml/min
For rear windscreen.

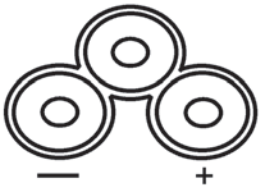


160629 Washer Pump
Servicing: Citroen, Fiat, Peugeot
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 1700 ml/min

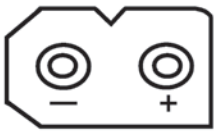


160630 Washer Pump
24 **V, Type** Universal, **Pump type** Single, **Capacity** 1800 ml/min
Cargo 160273.

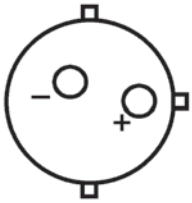
160677 Washer Pump
Servicing: Daewoo, Hyundai, Kia, Mazda, Mitsubishi, Toyota
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2000 ml/min



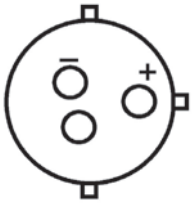
160679 Washer Pump
Servicing: Mercedes, Mercedes-Benz
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2100 ml/min



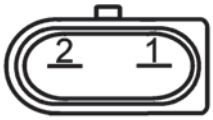
160680 Washer Pump
Servicing: BMW, BMW
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2300 ml/min



160681 Washer Pump
Servicing: Audi, Audi
12 **V, Type** Standard, **Pump type** Single, **Capacity** 2400 ml/min



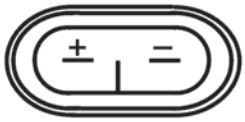
160682 Washer Pump
Servicing: Audi, Audi
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 2400 ml/min



160683 Washer Pump
Servicing: Audi, BMW, Mercedes-Benz, Seat, Skoda, VW
12 **V, Type** Standard, **Pump type** Dual, **Capacity** 2200 ml/min

O.E.M. names and numbers are used for reference purposes only.

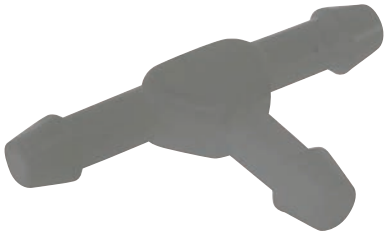
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



160684 Washer Pump
Servicing: Citroen Berlingo, Saxo, ,Xantia, Fiat Ulysse, Peugeot, Pegaso
12 **V,** **Type** Standard, **Pump type** Single, **Capacity** 2200 ml/min

Connections

Pkg. 10



160195 T-Connection
Hose ID 4 mm
w/o valve.

Pkg. 10

160413 Pipe Connector
Valve w/
For hose I.D. 4 mm.

Radio Accessories

Capasitors

For Car Radios

Pkg. 10

150100 Capacitor
2.2 **µf**, **Length** 100 mm, **Type** Universal, **Mount. bracket** Straight, **Cable** w/, **Plug** Straight
For car radios.

Pkg. 10

150101 Capacitor
Servicing: 0120389567, 0120450010, 0120450015, 0120468007, 0120468008, 0120468013, 0120468014, 0120468028, 0120468032, 0120468033
2.2 **µf**, **Length** 80 mm, **Type** Universal, **Mount. bracket** Angled, **Cable** w/, **Plug** Angled
For car radios.

Pkg. 10

150407 Capacitor
Servicing: 0120300518, 0120300519, 0120300522, 0120300523, 0120300524, 0120300532, 0120300533, 0120300540, 0120300545, 0120300546
2.2 **µf**, **Length** 40 mm, **Type** Universal, **Mount. bracket** Angled, **Cable** w/, **Plug** Angled
For car radios.

Pkg. 10

150408 Capacitor
Servicing: 0120450001, 0120488256, 0120488277, 0120488278, 0120488282, 0120488291, 0120489315, 0120489316, 0120489465, 0120489466
2.2 **µf**, **Length** 100 mm, **Type** Universal, **Mount. bracket** Angled, **Cable** w/, **Plug** Ring
For car radios.

Loudspeaker in Cabinet

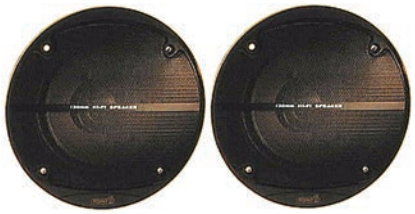
040197 Speakers
20/40 **W,** 4 **Ohm**, **Length** 97 mm, **Depth** 95 mm, **Width** 95 mm, **Cabinet** Yes, **Mount. bracket** w/, **Unit** Set
w/ bracket.

Loudspeaker Built-in

040193 Speakers
150 **W,** 4 **Ohm**, **ID/hole** 95 mm, **Dist. mount. holes 1** 80 mm, **Dist. mount. holes 2** 115 mm, **Depth** 50 mm, **Width** 100 mm, **Type** Built-in, **Cabinet** No, **System** 2 way, **Grill** w/, **Unit** Set
70-23000 Hz.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

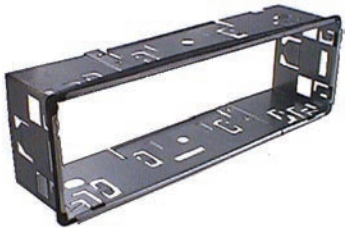
O.E.M. names and numbers are used for reference purposes only.



040194 Speakers
25/50 **W,** 4 **Ohm**, **ID/hole** 113 mm,
Dist. mount. holes 1 97 mm,
Dist. mount. holes 2 136 mm,
Depth 60 mm, **Width** 131 mm,
Type Built-in, **System** 2 way, **Grill** w/,
Unit Set
60-23000 Hz.

Radio Mounting Kits

040149 Radio Box
Colour Black, **Mount. bracket** Pendant,
Material Acrylic, **Integral front** Yes,
Integral front Yes



040170 Radio Mounting Kit
Integral front Yes, **Integral front** Yes
Galvanized. w/ gasket.

Dashboard Gauges

Ammeter

160697 Ammeter
OD 52 mm, **Measuring unit** A,
Measuring range 30-0-30,
Mount. type Hook fastening, **Colour** Black
White figures.

160698 Ammeter
OD 52 mm, **Measuring unit** A,
Measuring range 60-0-60,
Mount. type Hook fastening, **Colour** Black
White figures.

Voltmeter

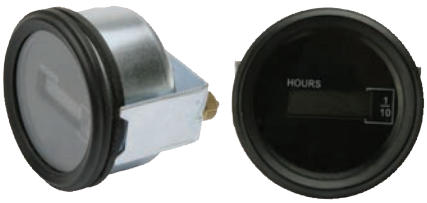
160695 Voltmeter
8-16 **V, OD** 52 mm, **Measuring unit** V,
Measuring range 8-16, **Mount. type** Hook fastening, **Colour** Black
White figures.

160696 Voltmeter
16-32 **V, OD** 52 mm, **Measuring unit** V,
Measuring range 16-32,
Mount. type Hook fastening, **Colour** Black
White figures.

Hour Meter

160702 Hour Meter
12-28 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black
w/o illumination.

160747 Hour Meter
10-28 **V, OD** 36.5x25 mm,
Type Electrical operated, **Digital** Yes
w/o illumination.



160897 Hour Meter
10-28 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black
Digital.

Fuel Gauges

160701 Fuel Gauge
12 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black, **Sender** w/

160872 Fuel Gauge
24 **V, OD** 52 mm, **Mount. type** Hook fastening, **Colour** Black, **Sender** w/

160873 Fuel Gauge
Servicing: Cargo 160701, 160872
12/24 **V**

O.E.M. names and numbers are used for reference purposes only.
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Water Temp. Gauges

160699 Water Temp. Gauge
12 **V, OD** 52 mm, **Measuring unit** C°, **Measuring range** 40-120, **Type** Electrical operated, **Mount. type** Hook fastening, **Colour** Black, **Digital** No, **Sender** w/ *Transmitter 1/8« NPTF: Cargo 160786.*

160778 Water Temp. Gauge
24 **V, OD** 52 mm, **Measuring unit** V, **Measuring range** 40-120, **Mount. type** Hook fastening, **Sender** w/ *Transmitter 1/8« NPTF: Cargo 160786.*

Oil Pressure Gauges

160700 Electrical Oil Pressure Gauge
12 **V, OD** 52 mm, **Type** Electrical operated, **Mount. type** Hook fastening, **Colour** Black, **Sender** w/ *Transmitter 1/8« NPTF: Cargo 160787.*

160779 Oil Pressure Gauge
24 **V, OD** 52 mm, **Mount. type** Hook fastening, **Sender** w/ *Transmitter 1/8« NPTF: Cargo 160786.*

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

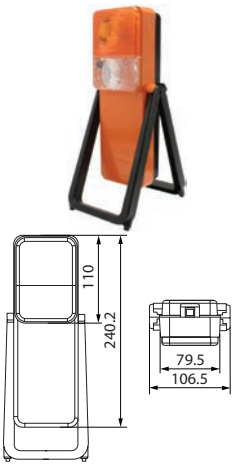
O.E.M. names and numbers are used for reference purposes only.

Lighting

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Hazard Warning Lights



170683 Hazard Warning Lamp
Servicing: Approved for vehicles carrying dangerous goods
Dim. 240.2x106.5 mm, **Battery type** D, **No./batteries** 5, **Hazard flasher** w/, **Approvals** GGVS
Battery: Cargo 200741, 200768.

w/LED

171797 LED Hazard Warning Lamp
Dim. 215x75x63 mm, **Battery type** AA, **Bulb type** LED, **Material** ABS plastic, **No./batteries** 4, **Drop proof** Yes, **Hazard flasher** w/, **Approvals** GGVS/ADR
Battery: Cargo 200739.

Pen-/Torch Lights

Torch Light

170353 High Powered Torch
Battery type D, **Bulb type** Krypton, **No./batteries** 4
Bulb: Cargo 171280. Batteries: Cargo 200741,200768.

w/LED

171634 LED Hands-Free Light
Light power 3/9 Lumen, **Dim.** 38x68x44 mm, **Battery type** AAA, **Bulb type** LED, **No./batteries** 3, **Drop proof** Yes, **Approvals** ATEX
Battery: Cargo 200738.

171749 LED Torch Light
1 **W, Light power** 65 Lumen, **Dim.** 37x120 mm, **Battery type** AAA, **Bulb type** LED, **Material** Aluminium, **No./batteries** 3, Waterproof, **Clips** w/
Battery: Cargo 200738.

171787 LED Torch Light
2.2 **W, Dim.** 217x52x52 mm, **Battery type** LR14, **Bulb type** LED, **Material** Shockproof plastic, **No./batteries** 3, Waterproof, **Drop proof** Yes, **Shoulder strap** w/
Battery: Cargo 200740.

w/LED & UV

253489 UV Inspection Lamp
Type LED, **Model** UV, **Bulb incl.** Yes
3 pcs. batteries and mirror included.
Batteries: Cargo 200858.

253504 UV Lamp
Type LED, **Model** UV, **Colour** Red, **Material/dome** Shockproof plastic, **Bulb incl.** Yes
Battery: Cargo 200742.

171805 UV LED Torch light
Dim. 126 mm, **Battery type** AAA, **Bulb type** UV LED, **Material** Aluminium, **No./batteries** 3, Waterproof, **Approvals** CE
Battery: Cargo 200738.

Penlights

171269 Penlight
Battery type AAA, **Material** Aluminium, **No./batteries** 2, **Clips** w/
Rubber coated aluminium. +70% light intensity. Bulb: Cargo 171275. Battery: Cargo 200738, 200765.

Xenon

171632 Xenon Torch Light
Light power 45 Lumen, **Battery type** AA, **Bulb type** Xenon, **No./batteries** 4, **Clips** w/, **Approvals** ATEX/CE
Zone 1.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171633 Xenon Torch Light
Light power 53 Lumen,
Dim. 198x48x48 mm, **Battery type** LR14,
Bulb type Xenon, **No./batteries** 3,
Waterproof, **Drop proof** Yes,
Shoulder strap w/, **Clips** w/,
Approvals ATEX
Zone 1.

w/LED

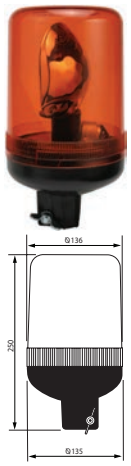
171704 LED Penlight
Dim. 14.5x109 mm, **Battery type** AAA,
Bulb type LED, **Material** Aluminium,
No./batteries 1, Waterproof,
Drop proof Yes, **Approvals** CE
Button w/ easy touch for either signal or constant light. Optical lense intensive the light. At least 8 hours of burn time.

171792 LED Penlight
1.1 **W, Light power** 24 Lumen,
Dim. 140 mm, **Battery type** AAA,
Bulb type LED, **Material** Shockproof plastic, **No./batteries** 2, Waterproof,
Clips w/, **Approvals** ATEX
Zone 0.

Warning Lights

Rotating Beacons

170295 Rotating Beacon
12 **V, OD** 140 mm,
Mount. Standard ISO A - Rod,
Height 250 mm, **Width** 135.5 mm,
Lens type PMMA/ACRYL, **Bulb type** H1,
Model AEB TYPE 590, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505. Plastic base plate: Cargo 170309.



170296 Rotating Beacon
24 **V, OD** 140 mm,
Mount. Standard ISO A - Rod,
Height 250 mm, **Width** 135.5 mm,
Lens type PMMA/ACRYL, **Bulb type** H1,
Model AEB TYPE 590, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170506. Plastic base plate: Cargo 170309.

170435 Rotating Beacon
12 **V, OD** 160 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 220 mm,
Lens type PMMA/ACRYL, **Bulb type** H1,
Model AEB TYPE 595, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505.

170436 Rotating Beacon
24 **V, OD** 160 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 220 mm,
Lens type Amber dome, **Bulb type** H1,
Model AEB TYPE 595, **Colour** Orange,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170506.

170437 Rotating Beacon
12 **V, OD** 177 mm, **Mount.** 3 magnets,
Height 236 mm, **Lens type** PMMA/ACRYL,
Bulb type H1, **Model** AEB TYPE 595 M,
Colour Orange, **Base** Magnetic,
Coiled cable w/, **Bulb incl.** Yes, **E-approval** Yes
Lens: Cargo 170308. Motor: Cargo 170505. Coil cable: lenght 2 m.

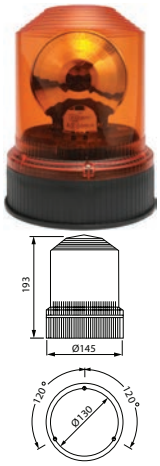
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

170438 Rotating Beacon

24 **V, OD** 177 mm, **Mount.** 3 magnets, **Height** 236 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 595 M, **Colour** Orange, **Base** Magnetic, **Coiled cable** w/, **Bulb incl.** Yes, **E-approval** Yes

Lens: Cargo 170308. Motor: Cargo 170505. Coil cable: lenght 2 m.



170490 Rotating Beacon

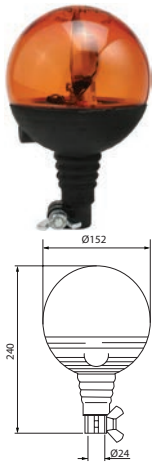
12/24 **V, OD** 145 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 193 mm, **Width** 145 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** TYPE FT 6, **Colour** Orange, **Bulb incl.** No, **Tightness norm** IP 55, **E-approval** Yes

Lens: Cargo 170492.

170491 Rotating Beacon

12/24 **V, OD/cable** 150 mm, **Mount.** Standard ISO-DIN A or B fixing, **Height** 250 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** TYPE FT 6, **Colour** Orange, **Base** Rigid, **Bulb incl.** No, **Tightness norm** IP 55, **E-approval** Yes

Lens: Cargo 170492.



170540 Rotating Beacon

12 **V, OD** 152 mm, **Mount.** Standard ISO A - Rod, **Height** 240 mm, **Width** 150 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Boule, **Colour** Orange, **Base** Flexible, Waterproof, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 66, **E-approval** Yes

Lens: Cargo 170543.

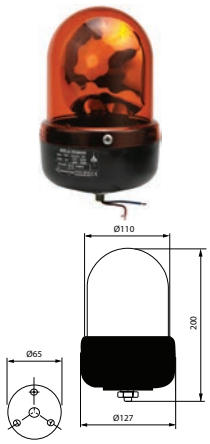
170541 Rotating Beacon

24 **V, OD** 152 mm, **Mount.** Rod (ISO-DIN A), **Height** 240 mm, **Width** 152 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Boule, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 66, **E-approval** Yes

Lens: Cargo 170543.

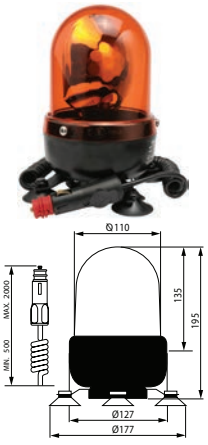
170551 Rotating Beacon

12 **V, OD** 135 mm, **Mount.** Standard ISO A - Rod, **Height** 265 mm, **Width** 135 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** TYPE GF 8.8 FLX, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 54, **E-approval** Yes



170598 Rotating Beacon

12/24 **V, OD** 110 mm, **Mount.** Single bolt, **Height** 200 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 525, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes

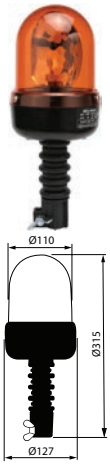


170599 Rotating Beacon

12/24 **V, OD** 110 mm, **Mount.** 3 magnets, **Length** 2000 mm, **Height** 195 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 525 M, **Colour** Orange, **Base** Magnetic, **Coiled cable** w/, **Bulb incl.** No, **E-approval** Yes

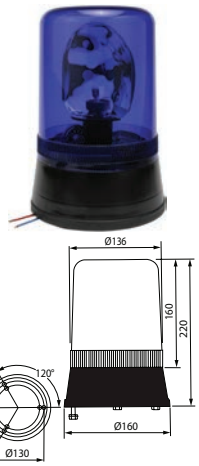
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



170601 Rotating Beacon

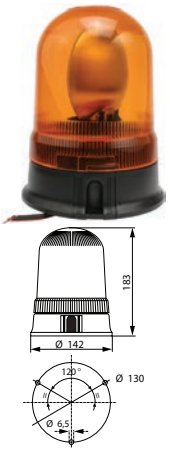
12/24 **V, OD** 127 mm, **Mount.** Standard ISO A - Rod, **Height** 315 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** AEB TYPE 530 B, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** No, **E-approval** Yes



170798 Rotating Beacon

12/24 **V, OD** 160 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 220 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB TYPE 595, **Colour** Blue, **Bulb incl.** No, **E-approval** Yes

Lens: Cargo 170366. Motor: Cargo 170505, 170506.



170830 Rotating Beacon

12/24 **V, OD** 130 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 183 mm, **Width** 142 mm, **Bulb type** H1, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes

Lens: Cargo 170945.

171017 Rotating Beacon

12/24 **V, OD** 145 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 193 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** TYPE FT 6, **Colour** Blue, **Bulb incl.** No, **Tightness norm** IP 55, **E-approval** Yes

171019 Rotating Beacon

12/24 **V, OD** 142 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 183 mm, **Bulb type** H1, **Model** Astral, **Colour** Blue, **Bulb incl.** No, **E-approval** Yes

171060 Rotating Beacon

12 **V, OD** 132 mm, **Mount.** Standard ISO A - Rod, **Height** 210 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Megalux, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **E-approval** Yes

171061 Rotating Beacon

24 **V, OD** 132 mm, **Mount.** Standard ISO A - Rod, **Height** 210 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Megalux, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **E-approval** Yes

171351 Rotating Beacon

24 **V, OD** 114 mm, **Mount.** Standard ISO A/B2 (and B1) - Rod/base, **Height** 167 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Rotokit, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 44, **E-approval** Yes

Fixing bases: Cargo 171349, 171354, 171355.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

171399 Rotating Beacon

12/24 **V, OD** 136 mm, **Mount.** Standard ISO A - Rod, **Height** 250 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** 590 DVO, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes

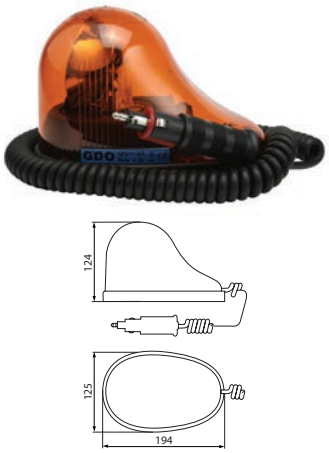
Lens: Cargo 170308. Motor: Cargo 170505, 170506.

171423 Rotating Beacon

12 **V, OD** 110 mm, **Mount.** Standard ISO A - Rod, **Height** 220 mm, **Width** 110 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Microboule, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 55, **Approvals** CE, **E-approval** Yes

171424 Rotating Beacon

24 **V, OD** 110 mm, **Mount.** Rod (ISO-DIN A), **Height** 220 mm, **Width** 110 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Microboule, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 55, **Approvals** CE, **E-approval** Yes



171494 Rotating Beacon

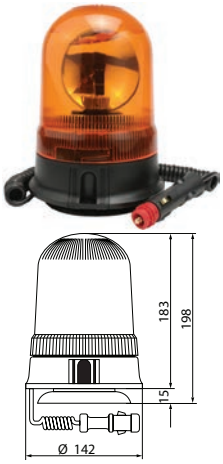
12 **V, OD** 120x186 mm, **Mount.** 1 magnet, **Length** 194 mm, **Height** 124 mm, **Width** 125 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** GDO, **Colour** Orange, **Base** Magnetic, **Hi impact** Yes, **Coiled cable** w/, **Bulb incl.** Yes, **Tightness norm** IP 55, **E-approval** Yes

Tested for 200 kmh. Lens: Cargo 171512. 2 mtr. coiled cable. Rubber base.

171577 Rotating Beacon

12 **V, OD** 142 mm, **Mount.** Standard ISO A - Rod, **Height** 235.5 mm, **Width** 142 mm, **Bulb type** H1, **Model** Astral, **Colour** Orange, **Base** Rigid, **Bulb incl.** Yes, **E-approval** Yes

Lens: Cargo 170945.



171587 Rotating Beacon

12/24 **V, OD** 142 mm, **Mount.** 1 magnet, **Height** 198 mm, **Width** 142 mm, **Bulb type** H1, **Model** Astral, **Colour** Orange, **Coiled cable** w/, **Bulb incl.** No, **E-approval** Yes

Lens: Cargo 170945.

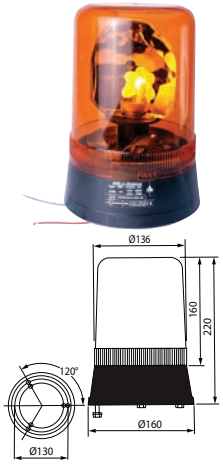
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171588 Rotating Beacon

12/24 **V, OD** 142 mm, **Mount.** Single bolt, **Height** 183 mm, **Width** 142 mm, **Bulb type** H1, **Model** Astral, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes

Lens: Cargo 170945.



171705 Rotating Beacon

12/24 **V, OD** 160 mm, **Mount.** Plan (ISO-DIN B), **Height** 220 mm, **Lens type** PMMA/ACRYL, **Bulb type** H1, **Model** AEB type 595, **Colour** Orange, **Bulb incl.** No, **E-approval** Yes

Lens: Cargo 170308. Motor: Cargo 170505, 170506.

171793 Rotating Beacon

12/24 **V, OD** 142 mm, **Mount.** Standard ISO A - Rod, **Height** 235.5 mm, **Lens type** Polycarbonat, **Bulb type** H1, **Model** Astral flex, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** No, **E-approval** Yes

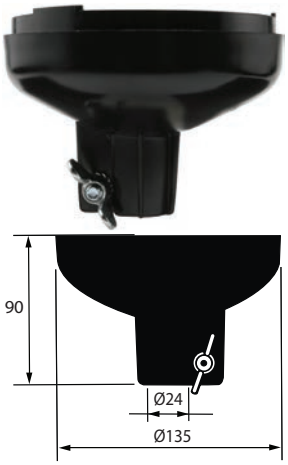
Lens: Cargo 170945.

Spare Parts

170308 Dome

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399

Height 160 mm, **Width** 136 mm, **Lens type** PMMA/ACRYL, **Model** TYPE 590/595/595M, **Colour** Orange



170309 Base Plate

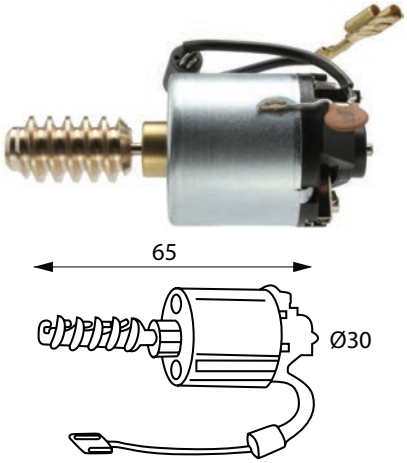
Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399

Height 90 mm, **Width** 135 mm, **Model** TYPE 590/595/595M

170366 Dome

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399

Height 160 mm, **Width** 136 mm, **Lens type** PMMA/ACRYL, **Model** TYPE 590/595/595M, **Colour** Blue



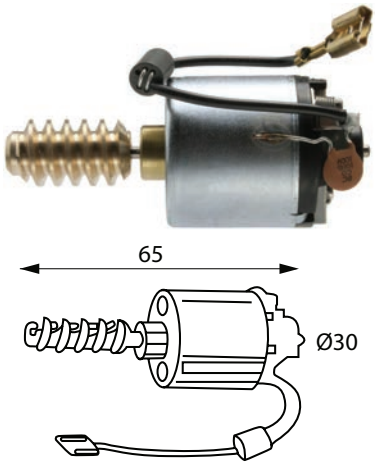
170505 Beacon Motor

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399

12 **V, Height** 65 mm, **Width** 30 mm, **Model** TYPE 590/595/595M

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



170506 Beacon Motor

Servicing: Cargo 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399

24 **V,** **Height** 65 mm, **Width** 30 mm, **Model** TYPE 590/595/595M

170543 Dome

Servicing: Cargo 170540, 170541

Lens type Polycarbonat, **Model** Boule, **Colour** Orange, **Hi impact** Yes

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170945 Dome

Servicing: Cargo 170830, 171019, 171577, 171587, 171588, 171793

Height 144 mm, **Width** 128 mm, **Lens type** PMMA/ACRYL, **Model** Astral, **Colour** Orange, **E-approval** Yes

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Accessories

171349 Beacon Base

Servicing: Cargo 171351

Mount. Standard ISO B2 (and B1) - Base, **Model** Rotokit

171354 Beacon Base

Servicing: Cargo 171351

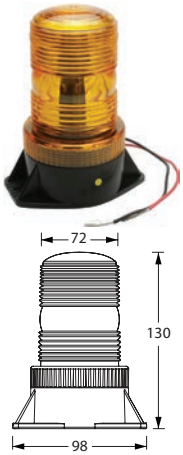
Mount. 3 magnets, **Model** Rotokit, **Base** Magnetic, **Coiled cable** w/
w/ multi plug that fits the rotorkit beacon.

171355 Beacon Base

Servicing: Cargo 171351

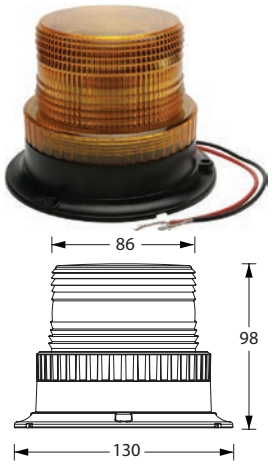
Mount. 1 magnet, **Model** Rotokit, **Coil ed cable** w/
w/ multi plug that fits the rotorkit beacon.

LED



171673 LED Beacon

11-110 **V,** **OD** 72 mm, **Mount.** Plan, **Length** 98 mm, **Height** 130 mm, **Width** 72 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Tightness norm** IP 66, **Approvals** SAE/CE
45 flash/min.



171674 LED Beacon

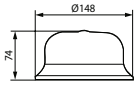
11-110 **V,** **OD** 130 mm, **Mount.** Plan, **Length** 130 mm, **Height** 98 mm, **Width** 86 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Tightness norm** IP 66, **Approvals** SAE/CE
45 flash/min.

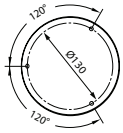
171763 LED Beacon

12/24 **V,** 1.7/0.8 **A,** **OD** 120 mm, **Mount.** Standard ISO A - Rod, **Height** 121 mm, **Width** 120 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Tightness norm** IP 66, **E-approval** Yes
130 flash/min.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.





171764 LED Beacon

12/24 **V, OD** 148 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 74 mm, **Width** 148 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Tightness norm** IP 66, **E-approval** Yes
130 flash/min.

171918 LED Beacon

12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** Plan, **Height** 128 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

NEW PRODUCT
www.hc-cargo.com

171919 LED Beacon

12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** 3 magnets, **Height** 128 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

171920 LED Beacon

12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** Standard ISO A - Rod, **Height** 202 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Orange, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

NEW PRODUCT
www.hc-cargo.com

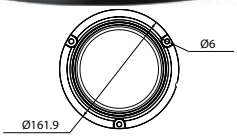
171922 LED Beacon

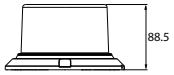
12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** 3 magnets, **Height** 128 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Blue, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.

NEW PRODUCT
www.hc-cargo.com

171923 LED Beacon

12-24 **V,** 1.2/2.9 **A**, 37 **W, OD** 130 mm, **Mount.** Standard ISO A - Rod, **Height** 202 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LED, **Model** LED, **Colour** Blue, **Material** Aluminium, Waterproof, **Hi impact** Yes, **Approvals** SAE/ECE-R65, **E-approval** Yes
11 flash patterns.





171931 LED Beacon

12-36 **V, OD** 161.9 mm, **Mount.** Plan, - **Height** 88.5 mm, **Width** 161.9 mm, **Bulb type** LED, **Colour** Orange, Waterproof, **Tightness norm** IP 67, **Approvals** CE, **E-approval** Yes

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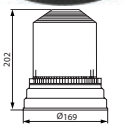
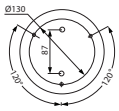
Xenon





170650 Xenon Beacon

12 **V,** 1.5 **A**, **OD** 169 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 202 mm, **Lens type** Polycarbonat, **Bulb type** LX10J, **Model** XENON FT6 AG ELECTRONIC, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 55, **E-approval** Yes

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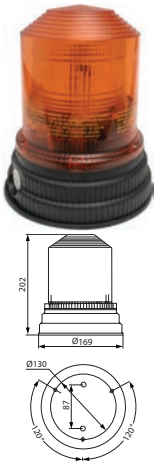
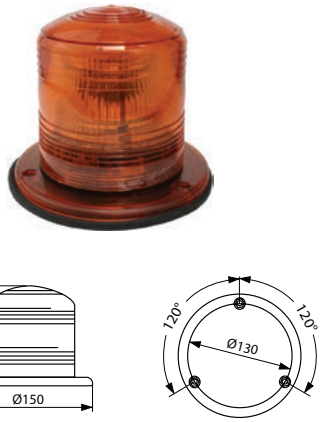
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



170651 Xenon Beacon

24 **V,** 1.5 **A**, **OD** 169 mm,
Mount. Standard ISO B2 (and B1) - Base,
Height 202 mm, **Lens type** PMMA/ACRYL,
Bulb type LX10J, **Model** XENON FT6
AG ELECTRONIC, **Colour** Orange,
Bulb incl. Yes, **Tightness norm** IP 55,
E-approval Yes



170680 Xenon Beacon

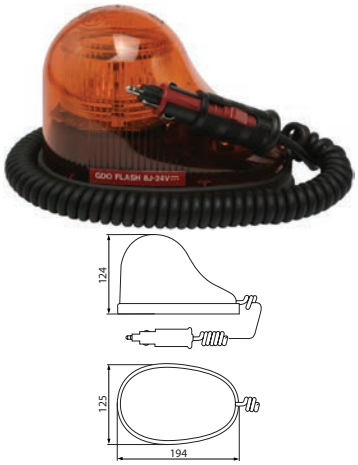
10-100 **V,** 200/50 mAmpere **A**,
OD 150 mm, **Mount.** Standard ISO
B2 (and B1) - Base, **Height** 121 mm,
Width 150 mm, **Lens type** Polycarbonat,
Bulb type LX1J, **Model** FLASH ELEV,
Colour Orange, **Material** Polycarbonat,
Base Rigid, **Hi impact** Yes,
Bulb incl. Yes, **Tightness norm** IP 54

171005 Xenon Beacon

10-100 **V, OD** 120 mm, **Mount.** Standard
ISO B2 (and B1) - Base, **Height** 105 mm,
Lens type PMMA/ACRYL,
Bulb type LX10J, **Model** TYPE TRASPOT
XENON, **Colour** Orange, **Bulb incl.** Yes,
Approvals CE
w/ Xenon tube. Lens: Cargo 171590.

171495 Xenon Beacon

12 **V,** 1.5 **A**, **OD** 120x186 mm,
Mount. 1 magnet, **Length** 194 mm,
Height 124 mm, **Width** 125 mm,
Lens type Polycarbonat, **Bulb type** LX8J,
Model GDO FLASH, **Colour** Orange,
Material Rubber, **Base** Magnetic,
Hi impact Yes, **Coiled cable** w/,
Bulb incl. Yes, **Tightness norm** IP 55,
Approvals CE, **E-approval** Yes
Tested for 200 kmh. Lens: Cargo 171512.



171496 Xenon Beacon

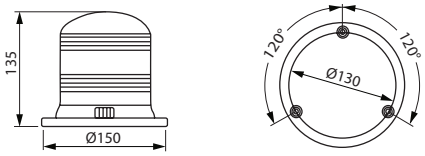
24 **V,** 1.5 **A**, **OD** 120x186 mm,
Mount. 1 magnet, **Length** 194 mm,
Height 124 mm, **Width** 125 mm,
Lens type Polycarbonat, **Bulb type** LX8J,
Model GDO FLASH, **Colour** Orange,
Material Rubber, **Base** Magnetic,
Hi impact Yes, **Coiled cable** w/,
Bulb incl. Yes, **Tightness norm** IP 55,
Approvals CE, **E-approval** Yes
Tested for 200 kmh. Lens: Cargo 171512.

171497 Xenon Beacon

12 **V,** 1.5 **A**, **OD** 120x186 mm,
Mount. 1 magnet, **Length** 194 mm,
Height 124 mm, **Width** 125 mm,
Lens type Polycarbonat, **Bulb type** LX8J,
Model GDO FLASH, **Colour** Blue,
Material Rubber, **Base** Magnetic,
Hi impact Yes, **Coiled cable** w/,
Bulb incl. Yes, **Tightness norm** IP 55,
Approvals CE, **E-approval** Yes
Tested for 200 kmh.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171498 Xenon Beacon

10-100 **V,** 200/50 mAmpere **A**, **OD** 150 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 135 mm, **Width** 150 mm, **Lens type** Polycarbonat, **Bulb type** LX1J, **Model** FLASH ELEV SL, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 20
w/ built-in audible signal

171505 Xenon Beacon

12 **V,** 3 **A**, **OD** 150 mm, **Mount.** Plan (ISO-DIN B), **Height** 230 mm, **Width** 130 mm, **Lens type** Polycarbonat, **Bulb type** LX10J, **Model** XENON GF 8.8 FLASH, **Colour** Orange, **Base** Rigid, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 44, **Approvals** CE, **E-approval** Yes

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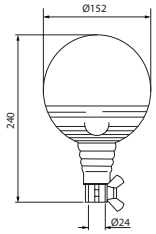

171540 Xenon Beacon

12 **V,** 1.5 **A**, **OD** 152 mm, **Mount.** Standard ISO A - Rod, **Height** 240 mm, **Width** 152 mm, **Lens type** Polycarbonat, **Bulb type** LX8J, **Model** BOULE FLASH, **Colour** Orange, **Base** Flexible, **Hi impact** Yes, **Bulb incl.** Yes, **Tightness norm** IP 66, **E-approval** Yes

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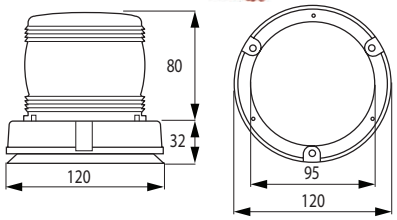
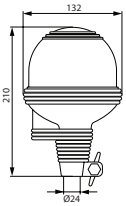


171561 Xenon Beacon

10-100 **V, OD** 120 mm, **Mount.** Standard ISO B2 (and B1) - Base, **Height** 112 mm, **Width** 120 mm, **Lens type** PMMA/ACRYL, **Model** Type TRASPOT, **Colour** Orange, **Base** Magnetic, **Coiled cable** w/, **Approvals** CE
w/ Xenon tube. Lens: Cargo 171590.



171614 Xenon Beacon

10-30 **V, OD** 132 mm, **Mount.** Standard ISO A - Rod, **Height** 210 mm, **Lens type** Polycarbonat, **Bulb type** LX10J, **Model** Xenon, **Colour** Orange, **Hi impact** Yes, **Bulb incl.** Yes, **E-approval** Yes

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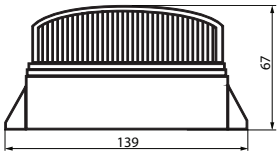
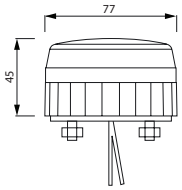


171708 Xenon Beacon

11-120 **V,** 0.2 **A**, **Mount.** Plan, **Length** 139 mm, **Height** 58 mm, **Width** 67 mm, **Lens type** Polycarbonat, **Bulb type** Xenon, **Colour** Orange, Waterproof, **Hi impact** Yes, **Bulb incl.** Yes, **Approvals** CE
Flash rate: 72/ min. 2 fixing screws 130 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



171798 Xenon Beacon
10-100 **V,** 5 **W, Mount.** Plan, **Height** 45 mm, **Width** 77 mm, **Lens type** Polycarbonat, **Bulb type** Xenon, **Colour** Orange, **Material** Polycarbonat, **Hi impact** Yes, **Tightness norm** IP 67, **Approvals** CE
Flash rate: 72/min. Fixing screws 45 mm.

Spare Parts

170654 Xenon Bulb
Servicing: Cargo 170650, 170651, 171505, 171005
12/24 **V,** 16 **W, Bulb type** LX10J, **Model** XENON FT6 /FLX ELECTRONIC

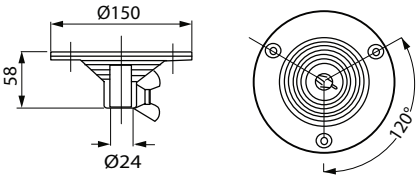
171376 Xenon Bulb
Servicing: Cargo 171498, 170680
Bulb type LX1J, **Model** FLASH ELEV

171590 Dome
Servicing: Cargo 171005, 171561
Lens type PMMA/ACRYL, **Model** TRASPORT XENON, **Colour** Orange

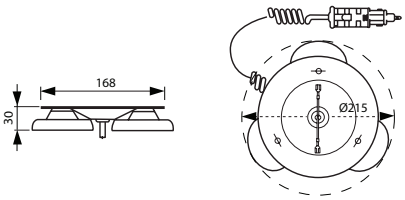
171512 Dome
Servicing: Cargo 171494, 171495, 171496
Lens type Polycarbonat, **Model** GDO, **Colour** Orange

Accessories

170525 Beacon Socket
Servicing: Cargo 170490, 171017
Mount. 3 magnets, **Length** 2000 mm, **Model** TYPE FT 6, **Base** Magnetic, **Coiled cable** w/, **Tightness norm** IP 55



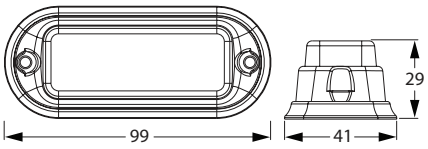
170528 Base Plate
Servicing: Cargo 170491, 170490, 170650, 170651, 171498, 170680
Mount. Standard ISO A - Rod, **Height** 58 mm, **Width** 150 mm, **Model** TYPE FT 6



170653 Beacon Socket
Servicing: Cargo 170650, 170651, 171466
Mount. 3 magnets, **Height** 30 mm, **Width** 2000 mm, **Base** Magnetic, **Coiled cable** w/, **Tightness norm** IP 55, **E-approval** Yes

Flash Lights

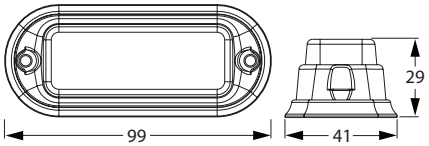
w/LED



171641 LED Flash, amber
12/24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Orange, Waterproof, **Approvals** CE, **E-approval** Yes
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

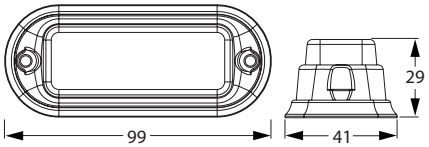
O.E.M. names and numbers are used for reference purposes only.



171642 LED Flash, white

12/24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** White, Waterproof, **Approvals** CE, **E-approval** Yes

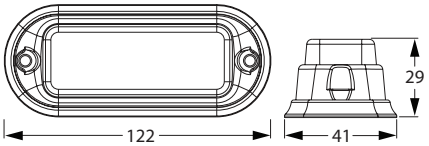
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.



171644 LED Flash, blue

12/24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Blue, Waterproof, **Approvals** CE, **E-approval** Yes

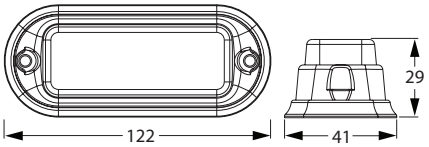
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.



171646 LED Flash, white

12/24 **V, Length** 122 mm, **Height** 35 mm, **Width** 41 mm, **Bulb type** LED, **Model** 4 LED, **Colour** White, Waterproof, **Approvals** CE, **E-approval** Yes

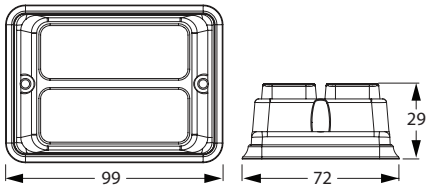
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171658. Rubber adapter for flush mount: Cargo 171675.



171648 LED Flash, blue

12/24 **V, Length** 122 mm, **Height** 35 mm, **Width** 41 mm, **Bulb type** LED, **Model** 4 LED, **Colour** Blue, Waterproof, **Approvals** CE, **E-approval** Yes

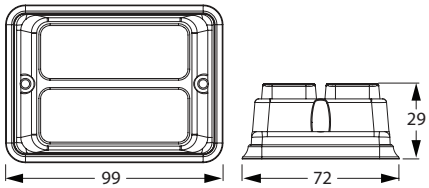
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171658. Rubber adapter for flush mount: Cargo 171675.



171651 LED Flash, red

12/24 **V, Length** 99 mm, **Height** 35 mm, **Width** 72 mm, **Bulb type** LED, **Model** 2x3 LED, **Colour** Red, Waterproof, **Approvals** CE, **E-approval** Yes

12 flash patterns. Multi-module synchronization. Bracket: Cargo 171659.



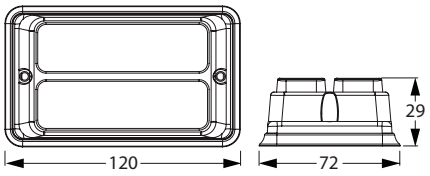
171652 LED Flash, blue

12/24 **V, Length** 99 mm, **Height** 35 mm, **Width** 72 mm, **Bulb type** LED, **Model** 2x3 LED, **Colour** Blue, Waterproof, **Approvals** CE, **E-approval** Yes

12 flash patterns. Multi-module synchronization. Bracket: Cargo 171659.

O.E.M. names and numbers are used for reference purposes only.

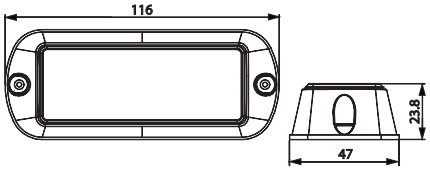
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



171654 LED Flash, white

12/24 **V, Length** 120 mm, **Height** 35 mm, **Width** 72 mm, **Bulb type** LED, **Model** 2x4 LED, **Colour** White, Waterproof, **Approvals** CE, **E-approval** Yes

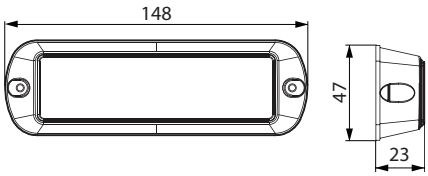
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171660.



171661 LED Flash, amber

12/24 **V, Length** 116 mm, **Height** 23.8 mm, **Width** 47 mm, **Lens type** Frosted, **Bulb type** LED, **Model** 4 LED, **Colour** Orange, Waterproof, **Approvals** SAE/CE

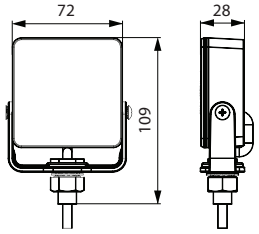
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171663.



171662 LED Flash, amber

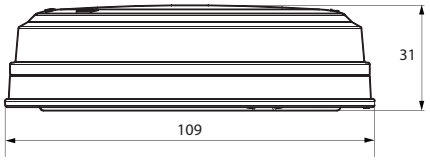
12/24 **V, Length** 148 mm, **Height** 23 mm, **Width** 47 mm, **Lens type** Clear, **Bulb type** LED, **Model** 6 LED, **Colour** Orange, Waterproof, **Approvals** SAE/CE

19 flash patterns. Multi-module synchronization. Bracket: Cargo 171664.



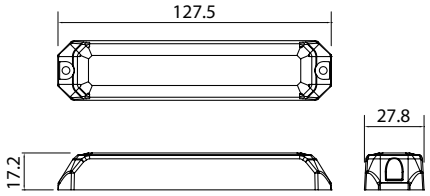
171746 LED Flash, amber

12/24 **V, Length** 109 mm, **Height** 28 mm, **Width** 72 mm, **Lens type** Clear, **Bulb type** LED, **Colour** Orange, **Material** Moulded aluminium, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Approvals** CE



171765 LED Flash, amber

12/24 **V, OD** 109 mm, **Mount.** Plan, **Height** 31 mm, **Width** 109 mm, **Lens type** Polycarbonat, **Bulb type** 10 LED, **Colour** Orange, Waterproof, **Hi impact** Yes



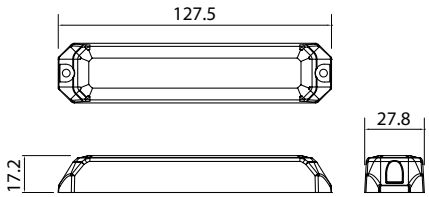
171813 LED Flash, blue

12/24 **V, Length** 127.5 mm, **Height** 17.2 mm, **Width** 27.8 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Blue, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes

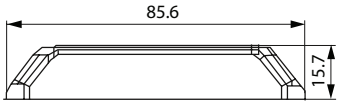
Fits w/ rubber adapter for flush mount: Cargo 171817.

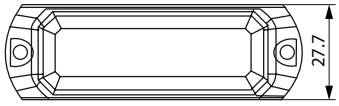
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171814 LED Flash - Amber
12/24 **V, Length** 127.5 mm, **Height** 17.2 mm, **Width** 27.8 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
Fits w/ rubber adapter for flush mount: Cargo 171817.



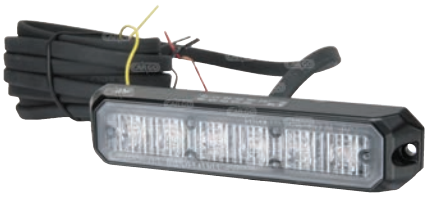


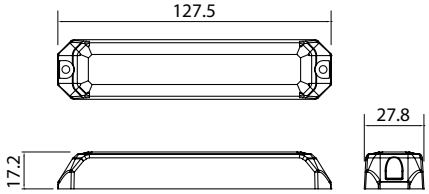
171815 LED Flash yellow
12/24 **V, Length** 85.6 mm, **Height** 15.7 mm, **Width** 27.7 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
For Cargo 171816.

171904 LED Flash, Amber
12-24 **V, Length** 122 mm, **Height** 35 mm, **Width** 41 mm, **Bulb type** LED, **Model** 4 LED, **Colour** Orange, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
19 flash patterns. Multi-module synchronization. Bracket: Cargo 171658. Rubber adapter for flush mount: Cargo 171675.

171905 LED Flash, amber
12-24 **V, Length** 99 mm, **Height** 29 mm, **Width** 41 mm, **Bulb type** LED, **Model** 3 LED, **Colour** Orange, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
12 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171728.

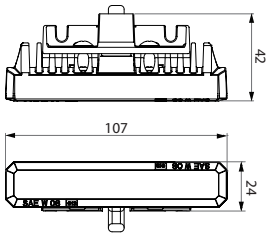
171906 LED Flash, amber
12-24 **V, Length** 131.8 mm, **Height** 48.7 mm, **Width** 19.2 mm, **Bulb type** LED, **Model** 12 LED, **Colour** Orange, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
25 flash patterns. Multi-module synchronization. Bracket: Cargo 171657. Rubber adapter for flush mount: Cargo 171907.





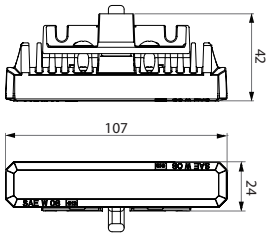
171926 LED Flash amber
12-24 **V, Mount.** 3 m ADR Cable, **Length** 85.6 mm, **Height** 15.7 mm, **Width** 27.7 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
Fits w/ rubber adapter for flush mount: Cargo 171817.

NEW PRODUCT
www.hc-cargo.com



171933 LED Flash - Amber
11-30 **V, Mount.** Plan, **Length** 107 mm, **Height** 24 mm, **Width** 42 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Yellow, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
5 flash patterns.

NEW PRODUCT
www.hc-cargo.com



171934 LED Flash - Blue
11-30 **V, Mount.** Plan, **Length** 107 mm, **Height** 24 mm, **Width** 42 mm, **Bulb type** LED, **Model** 6 LED, **Colour** Blue, Waterproof, **Approvals** SAE/ECE-R65, **E-approval** Yes
5 flash patterns.

Accessories

171657 Mounting Bracket
Servicing: Cargo 171641, 171642, 171644
Length 100 mm, **Thickness** 24 mm, **Width** 55 mm
Angled. For single head.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

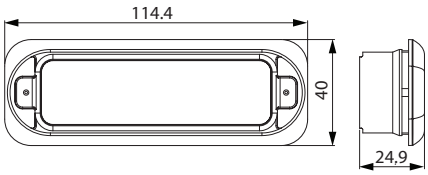
171658 Mounting Bracket
Servicing: Cargo 171646, 171648
Length 123 mm, **Thickness** 55 mm, **Width** 24 mm
Angled. For single head.

171659 Mounting Bracket
Servicing: Cargo 171650, 171651, 171652
Length 102 mm, **Thickness** 24 mm, **Width** 100 mm
Angled. For double head.

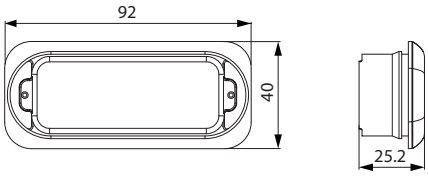
171660 Mounting Bracket
Servicing: Cargo 171654
Length 123 mm, **Thickness** 100 mm, **Width** 24 mm
Angled. For double head.

171663 Mounting Bracket
Servicing: Cargo 171661
Length 153 mm, **Thickness** 55 mm, **Width** 25 mm
Angled 100°.

171664 Mounting Bracket
Servicing: Cargo 171662
Length 156 mm, **Thickness** 42 mm, **Width** 30 mm
Adjustable.

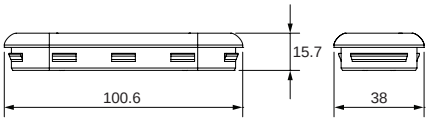


171675 Rubber Adapter for Flush Mount
Servicing: Cargo 171646, 171648
Length 114.4 mm, **Height** 24.9 mm, **Width** 40 mm, **Colour** Black, **Material** Rubber

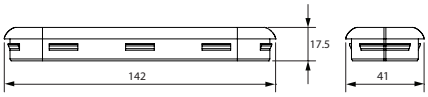


171728 Rubber Adapter for Flush Mount
Servicing: Cargo 171641, 171642, 171644
Length 92 mm, **Height** 25.2 mm, **Width** 40 mm, **Colour** Black

171766 Rubber Boot
Servicing: Cargo 171765
For flush mount of Cargo 171765.



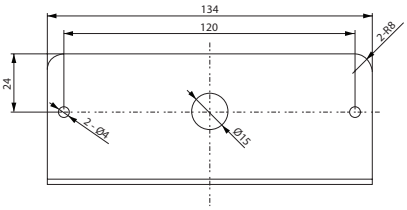
171816 Rubber Adapter for Flush Mount
Servicing: Cargo 171815
Length 100.6 mm, **Height** 15.7 mm, **Width** 38 mm, **Colour** Black



171817 Rubber adapter for flush mount
Servicing: Cargo 171813, 171814
Length 142 mm, **Height** 17.5 mm, **Width** 41 mm, **Colour** Black

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



171907 Rubber adapter for flush mount
Servicing: Cargo 171906
Length 144 mm, **Height** 61 mm, **Width** 20 mm, **Colour** Black

NEW PRODUCT
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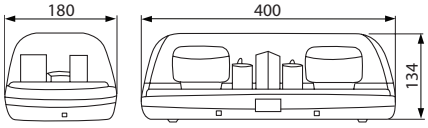
171908 Mounting Bracket
Servicing: Cargo 171906
Angled. For single head.

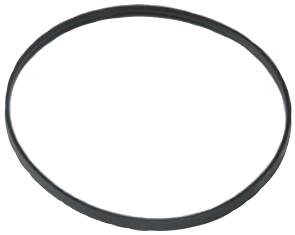
Light Bars



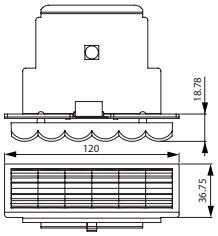
171681 Mini Light Bar
12/24 **V, Mount.** Plan, **Length** 400 mm, **Height** 134 mm, **Width** 180 mm, **Lens type** Polycarbonat, **Bulb type** H1 12 V, **Colour** Orange, **Material** ABS plastic, **Base** Rigid, Waterproof, **Hi impact** Yes, **Coiled cable** w/o, **Bulb incl.** Yes 12 V, **Tightness norm** IP 56, **Approvals** CE, **E-approval** Yes

Spare Parts

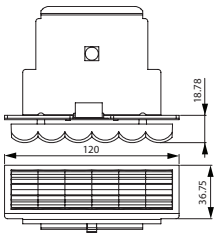
Pkg. 5



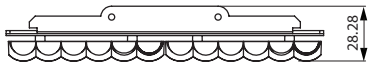
171820 Belt for Mini Light Bar
Servicing: Cargo 171681
Colour Black

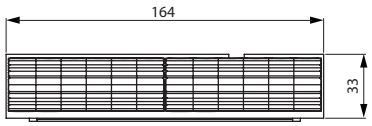


171856 LED Flash, amber
Servicing: Cargo 171760, 171761, 171849, 171850, 171852, 171910, 171912
12 **V, Length** 120 mm, **Height** 36.75 mm, **Width** 18.78 mm, **Bulb type** 6 LED, **Colour** Orange, **Approvals** SAE/ECE-R65, **E-approval** Yes

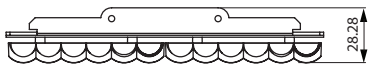


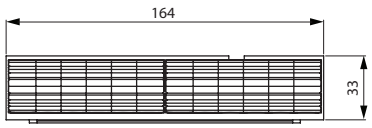
171857 LED Flash, amber
Servicing: Cargo 171851, 171853, 171911, 171913, 171914
24 **V, Length** 120 mm, **Height** 36.75 mm, **Width** 18.78 mm, **Bulb type** 6 LED, **Colour** Orange, **Approvals** SAE/ECE-R65, **E-approval** Yes



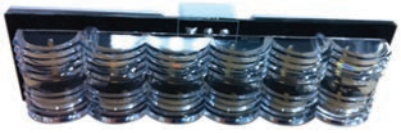


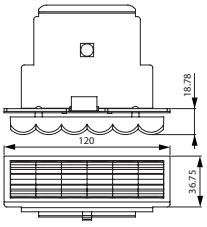
171858 LED Corner Flash, orange
Servicing: Cargo 171760, 171761, 171849, 171850, 171852, 171910, 171912.
12 **V, Length** 164 mm, **Height** 33 mm, **Width** 28.28 mm, **Bulb type** 12 LED, **Colour** Orange, **Approvals** SAE/ECE-R65





171859 LED Corner Flash, orange
Servicing: Cargo 171851, 171853, 171911, 171913, 171914
24 **V, Length** 164 mm, **Height** 33 mm, **Width** 28.28 mm, **Bulb type** 12 LED, **Colour** Orange, **Approvals** SAE/ECE-R65, **E-approval** Yes

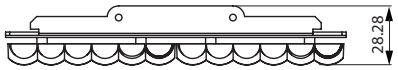


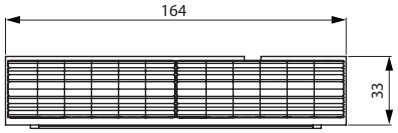


171915 LED Flash, blue
Servicing: Cargo 171909
12 **V, Length** 120 mm, **Height** 36.75 mm, **Width** 18.78 mm, **Bulb type** 6 LED, **Colour** Blue, **Approvals** SAE/ECE-R65, **E-approval** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



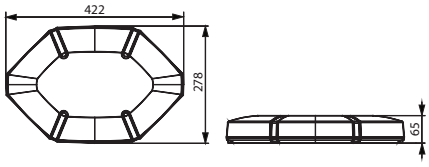


171916 LED Corner Flash

Servicing: Cargo 171809

12 **V,** **Length** 164 mm, **Height** 33 mm, **Width** 28.28 mm, **Bulb type** 12 LED, **Colour** Blue, **Approvals** SAE/ECE-R65, **E-approval** Yes

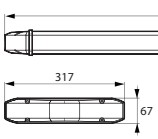
w/LED



171680 LED Mini Light Bar

12/24 **V,** **OD** 422x278 mm, **Mount.** Plan, **Height** 65 mm, **Lens type** Polycarbonat, **Bulb type** 40x1W LED, **Colour** Orange, **Base** Magnetic/vacuum, Waterproof, **Hi impact** Yes, **Coiled cable** w/, **Tightness norm** IP 66, **Approvals** SAE/CE

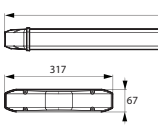
Bracket for permanent mounting: Cargo 171682. Change flash pattern on cigarplug. Can also be connected permanently. 26 flash patterns.



171760 LED Light bar

12 **V,** 11.2 **A**, **Mount.** Plan, **Length** 1132 mm, **Height** 67 mm, **Width** 317 mm, **Lens type** Polycarbonat, **Model** 110 cm/44«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/CE

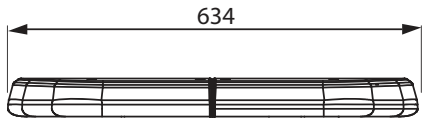
Spare Parts: Cargo 171778. Accessories: Cargo 171777, 171779, 171780, 171781, 171762.

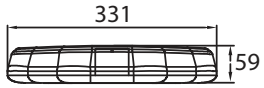


171761 LED Lightbar

12 **V,** 11.2 **A**, **Mount.** Plan, **Length** 1252 mm, **Height** 67 mm, **Width** 317 mm, **Lens type** Polycarbonat, **Model** 147 cm/59«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/CE

Spare Parts: Cargo 171778. Accessories: Cargo 171777, 171779, 171780, 171781, 171762.





171849 LED Light bar

12 **V,** 10.4 **A**, **Mount.** Plan, **Length** 634 mm, **Lens type** Polycarbonat, **Model** 63.4 cm / 24«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/ECE-R65, **E-approval** Yes

Spare Parts: Cargo 171781, 171856, 171858.

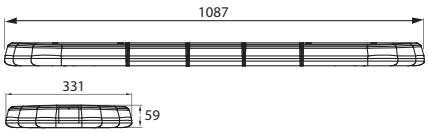
171850 LED Light bar

12 **V,** 13.4 **A**, **Mount.** Plan, **Length** 1087 mm, **Height** 59 mm, **Width** 331 mm, **Lens type** Polycarbonat, **Model** 108.7 cm/43«, **Colour** Orange, **Material** Aluminium, **Base** Flexible, Waterproof, **Hi impact** Yes, **Approvals** SAE/ECE-R65, **E-approval** Yes

Spare Parts: Cargo 171781, 171856, 171858.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

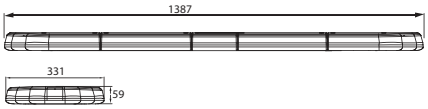


171851 LED Light bar

24 **V,** 8.2 **A**, **Mount.** Plan,
Length 1087 mm, **Lens type** Polycarbonat,
Model 108.7 cm/43«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859, 171865.

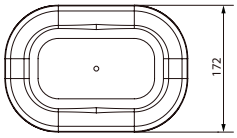
171852 LED Light bar

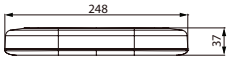
12 **V,** 16.2 **A**, **Mount.** Plan,
Length 1387 mm, **Height** 59 mm,
Width 331 mm, **Lens type** Polycarbonat,
Model 138.7 cm/54«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171781, 171856, 171858.



171853 LED Light bar

24 **V,** 10.2 **A**, **Mount.** Plan,
Length 1387 mm, **Lens type** Polycarbonat,
Model 138.7 cm/54«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859, 171865.





171854 LED Micro Light Bar

12/24 **V, OD** 248x172 mm, **Mount.** Plan,
Length 248 mm, **Height** 37 mm,
Width 172 mm, **Lens type** Polycarbonat,
Bulb type 30x1 W LED, **Colour** Orange,
Base Magnetic, Waterproof,
Approvals SAE/ECE-R65, **E-approval** Yes
Bracket for permanent mounting: Cargo 171855. Change flash pattern on cigarplug. Can also be connected permanently. 23 flash patterns.

171909 LED Light bar

12 **V,** 16.4 **A**, **Mount.** Plan,
Length 1100 mm,
Lens type Polycarbonat,
Model 110 cm/43«, **Colour** Blue,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171915, 171916. Spare Parts: Cargo 171781.

171911 LED Light bar

24 **V,** 7.2 **A**, **Mount.** Plan,
Length 914 mm, **Lens type** Polycarbonat,
Model 91.4cm - 36«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859.
Accessories: Cargo 171865, 171762.

171912 LED Light bar

12 **V,** 14.8 **A**, **Mount.** Plan,
Length 1245 mm, **Lens type** Polycarbonat,
Model 124.5 cm/49«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171856, 171858.
Accessories: Cargo 171781, 171762.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

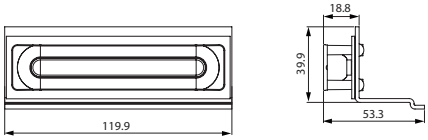
171913 LED Light bar
24 **V,** 9.2 **A**, **Mount.** Plan,
Length 1245 mm, **Lens type** Polycarbonat,
Model 124.5 cm/49«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859.
Accessories: Cargo 171865, 171762.

171914 LED Light bar
24 **V,** 11.2 **A**, **Mount.** Plan,
Length 1524 mm, **Lens type** Polycarbonat,
Model 152.4 cm/60«, **Colour** Orange,
Material Aluminium, **Base** Flexible,
Waterproof, **Hi impact** Yes,
Approvals SAE/ECE-R65, **E-approval** Yes
Spare Parts: Cargo 171857, 171859.
Accessories: Cargo 171865, 171762.

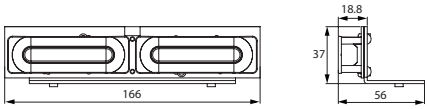
Accessories

171682 Mounting Bracket for LED Mini Light Bar
Servicing: Cargo 171680
Dist. mount. holes 212 mm,
Thickness 3 mm

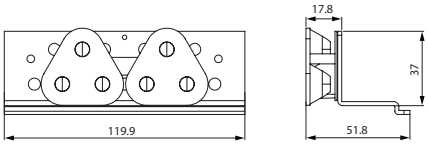
171762 Switch Panel
Servicing: Cargo 171760, 171761, 171849, 171850, 171851, 171852, 171853, 171909, 171910, 171911, 171912, 171913, 171914
Mount. hole size 4 mm,
Type/terminal Flat, **Colour** Black,
Button colour Black,
Solenoid S1-S4 On / Off, S5 Shift,
Switch combination Off-Start,
Material Metal
Dim: 134x39x23 mm.



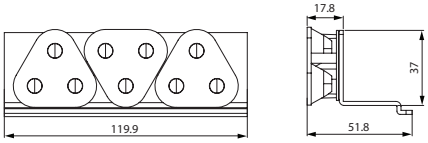
171777 LED Flash, amber
Servicing: Cargo 171760, 171761
12 **V, Length** 119.9 mm,
Height 39.9 mm, **Width** 18.8 mm,
Bulb type 6 LED, **Colour** Orange



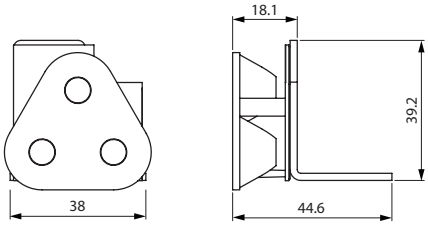
171778 LED Corner Flash, orange
Servicing: Cargo 171760, 171761
12 **V, Length** 166 mm, **Height** 37 mm,
Width 18.8 mm, **Bulb type** 12 LED,
Colour Orange



171779 LED Work Lamp
Servicing: Cargo 171760, 170761
12 **V, Length** 119.9 mm, **Height** 37 mm,
Width 17.8 mm, **Bulb type** 6 LED



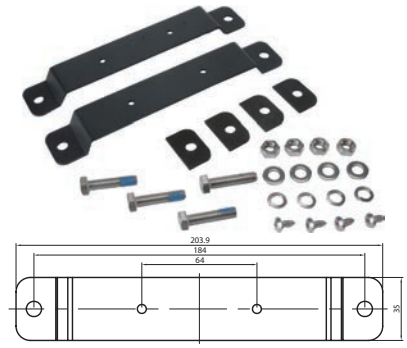
171780 LED Work Lamp
Servicing: Cargo 171760, 171761
12 **V, Length** 119.9 mm, **Height** 37 mm,
Width 17.8 mm, **Bulb type** 9 LED



171781 LED Alley light
Servicing: Cargo 171760, 171761, 171749, 171850, 171852, 171909, 171910, 171913
12 **V, Length** 38 mm, **Height** 39.2 mm,
Width 18.1 mm, **Bulb type** 3 LED,
Approvals SAE/ECE-R65, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

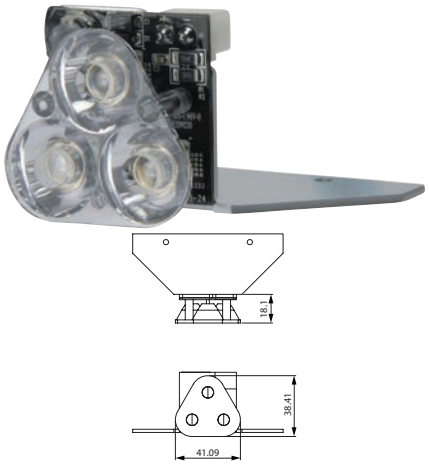
O.E.M. names and numbers are used for reference purposes only.



171855 Mounting Bracket for LED Micro Light Bar

Servicing: Cargo 171854

Dist. mount. holes 64/184 mm, **Total length** 203.9, **Height** 14 mm, **Width** 35 mm



171865 LED Alley light

Servicing: Cargo 171851, 171853, 171911, 171913, 171914

24 **V, Height** 38.41 mm, **Bulb type** 3 LED, **Approvals** SAE/ECE-R65, **E-approval** Yes

Beacon Sockets

170292 Beacon Socket

Mount. Weld, **Length** 100 mm, **Socket** DIN 72591 1 terminal, **Material** Steel

170387 Beacon Socket

Mount. w/ nuts, **Socket** DIN 72591 1 terminal, **Material** Electro galvanized

170405 Beacon Socket

Mount. Flat, **Length** 108 mm, **Mount. hole size** 10 mm, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled 90°

170406 Beacon Socket

Mount. 2 screws, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Adjustable

170419 Beacon Socket

Mount. Vertical, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled 90°

170460 Beacon Socket

Servicing: John Deere tractor etc

Mount. 1 bolt, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled

170531 Extension

Length 500 mm, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel

170537 Beacon Socket

Mount. Vertical, **Socket** DIN 72591 2 terminal, **Material** Electro galvanized, **Bracket** Straight

170562 Beacon Socket

Mount. 2 screws, **Socket** DIN 72591 2 terminal, **Material** Galvanised steel, **Bracket** Angled 90°

170788 Beacon Socket

Mount. Flat, **Length** 102 mm, **Mount. hole size** 10 mm, **Socket** DIN 72591 1 terminal, **Material** Electro galvanized, **Bracket** Angled

170789 Beacon Socket

Socket DIN 72591 1 terminal, **Material** Electro galvanized, **Bracket** Flexible

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

171576 Beacon Socket

Servicing: IH/CASE

Mount. Vertical, **Socket** DIN 72591 2 terminal, **Material** Steel, **Bracket** Straight

Spare Parts

Pkg. 10

180376 DIN Socket

Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460

ID/mount. hole 18.5 mm, **Material** Brass, **Connection** Terminal, **No./poles** 2, Female, **DIN norm** 72591

Also used in sockets for beacons.

Pkg. 10

180377 DIN Socket

Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460

Mount. hole size 18 mm, **Socket** DIN 72591 2 terminal

2-pole flat plug.

Pkg. 10

171513 Rubber Booy for Beacon Socket

Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460

Material Rubber

171518 Coiled Cable

Servicing: Cargo 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460

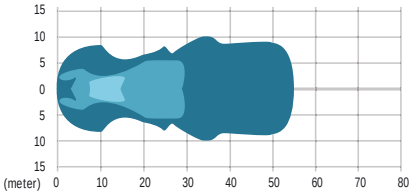
Working length 2 m, **Plug type** Cigar plug, **Plugs** 2, **ISO norm** 4165

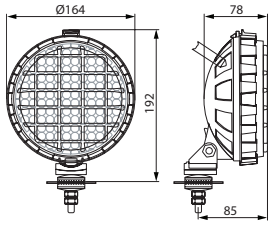
171562 Coiled Cable

Servicing: Cargo 171763, 171764, 171494, 171495, 171496

Working length 3 m, **Plug type** Cigar plug *w/ plug.*

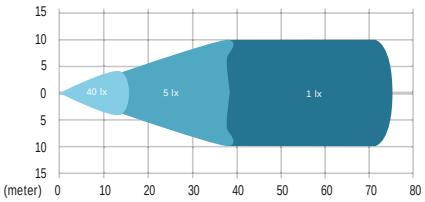
Work Lamps

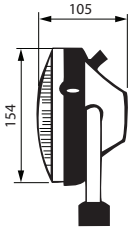




170093 Work Lamp

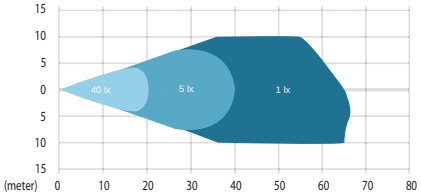
Light aperture 136 mm, **Dim.** 164x192x85 mm, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** Single bolt fixing, **Material/dome** Glass, **Material/house** Plastic, **Reflector system** Single, **Shape** Round, **Handle** w/, **Bulb incl.** No, **Lamp grill incl.** Yes, **Switch** w/

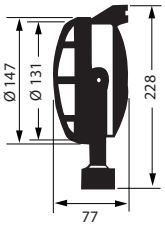




170130 Work Lamp

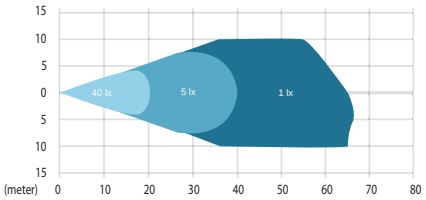
Light aperture 154x154 mm, **Dim.** 154x105 mm, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** U-bracket w/ 2 holes, **Material/dome** Glass, **Material/house** Shockproof plastic, **Reflector system** Single, **Shape** Square, **Handle** w/, **Bulb incl.** No, **Switch** w/

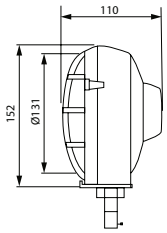




170237 Work Lamp

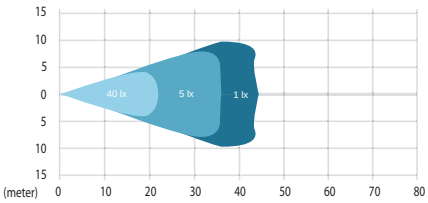
Light aperture 131 mm,
Dim. 228x77 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 2 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Round,
Handle w/, **Bulb incl.** No,
Lamp grill incl. Yes, **Switch** w/

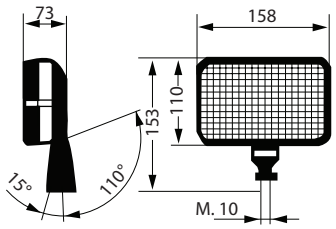




170313 Work Lamp

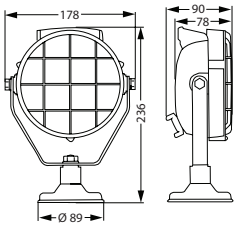
Light aperture 131 mm,
Dim. 152x110 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Round,
Handle w/o, **Bulb incl.** No,
Lamp grill incl. Yes, **Switch** w/o





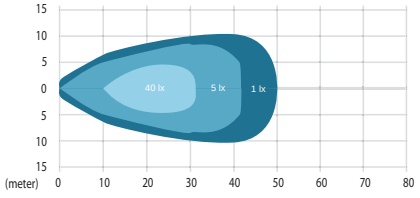
170489 Work Lamp

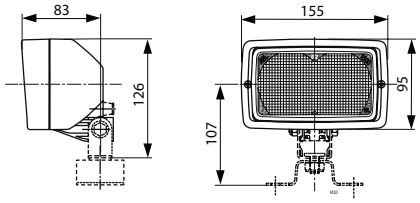
Light aperture 155x104 mm,
Dim. 158x153x73 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single,
Shape Rectangular, **Handle** w/o,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/o
w/o U-bracket.



170534 Work Lamp

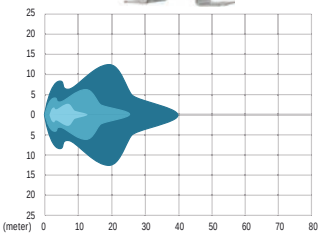
Light aperture 130 mm,
Dim. 178x236x90 mm,
Coiled cable 2000 mm, **Colour** Black,
Material/dome Glass,
Material/house Metal, **Shape** Round,
Magnet base w/, **Lighter plug incl.** Yes,
Handle w/, **Coiled cable incl.** Yes,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/

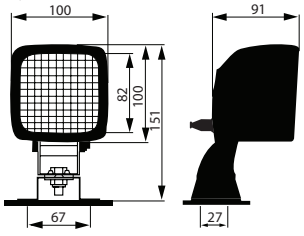




170851 Work Lamp

12/24/36/48 **V, Light aperture** 136x88 mm,
Dim. 155x95x83 mm, **Type** H3, **Colour** Black,
Mount. bracket U-bracket w/ 6 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Dual, **Shape** Rectangular,
Handle w/o, **Bulb incl.** No, **Switch** w/o,
Tightness norm IP 54



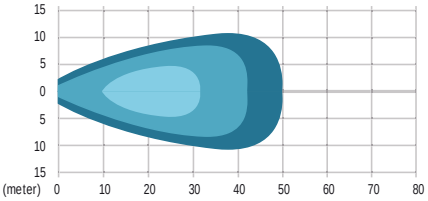


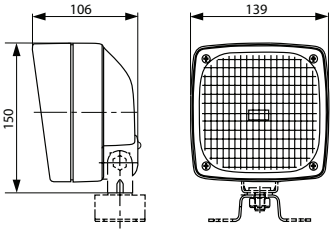
170857 Work Lamp

Light aperture 73x73 mm,
Dim. 100x151x91 mm, **Mount.** Upright/pendant,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Free form, **Shape** Square,
2 poles w/, **Handle** w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o,
Tightness norm IP 66

O.E.M. names and numbers are used for reference purposes only.

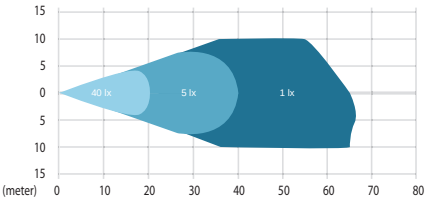
All measurements are in mm, unless else stated.
Available while stock last, * Program development.





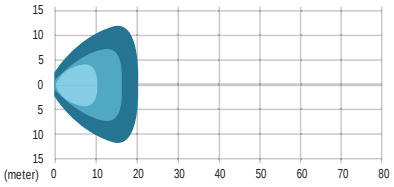
170859 Work Lamp

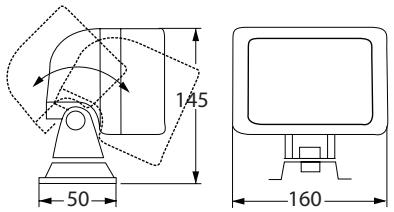
Light aperture 123x123 mm,
Dim. 139x150x106 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 6 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Free form, **Shape** Square,
Handle w/o, **Bulb incl.** No, **Switch** w/o



170970 Work Lamp

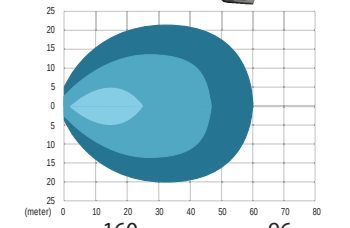
Light aperture 130 mm,
Dim. 160x145x50 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 2 holes,
Material/dome Glass,
Material/house Metal, **Shape** Round,
Handle w/, **Bulb incl.** No,
Lamp grill incl. Yes, **Switch** w/

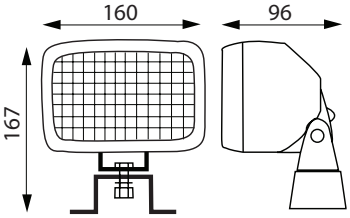




170979 Work Lamp

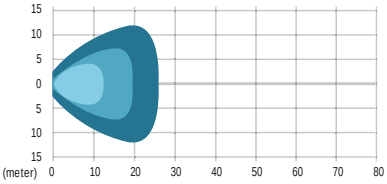
Light aperture 123x72 mm,
Dim. 160x145x50 mm, **Mount.** Flat,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Shape Rectangular, **Handle** w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o
External plug for flat plug connection.

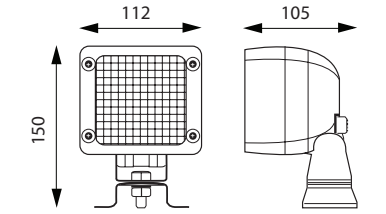




170980 Work Lamp

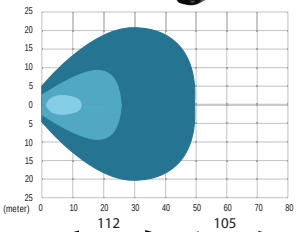
Servicing: Universal
Light aperture 123x78 mm,
Dim. 160x167x96 mm, **Mount.** Flat,
Type H3, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Dual, **Shape** Rectangular,
2 poles w/o, **Handle** w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o,
Tightness norm IP 65
External plug for flat plug connection.

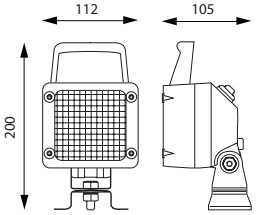




170982 Work Lamp

Light aperture 73x73 mm,
Dim. 112x150x105 mm, **Mount.** Flat,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Handle w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o,
Tightness norm IP 67
External plug for 6.3 mm flat plug connection.



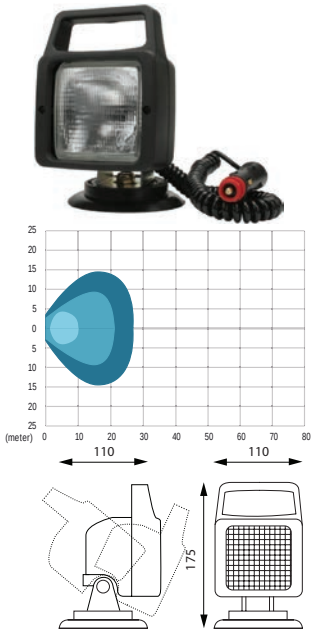


170983 Work Lamp

Light aperture 73x73 mm,
Dim. 112x200x105 mm, **Mount.** Flat,
Type H3, **Socket type** PK22s, **Colour** Black,
Mount. bracket U-bracket w/ 4 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Handle w/, **Bulb incl.** No, **Switch** w/,
Tightness norm IP 65
External plug for 6.3 mm flat plug connection.

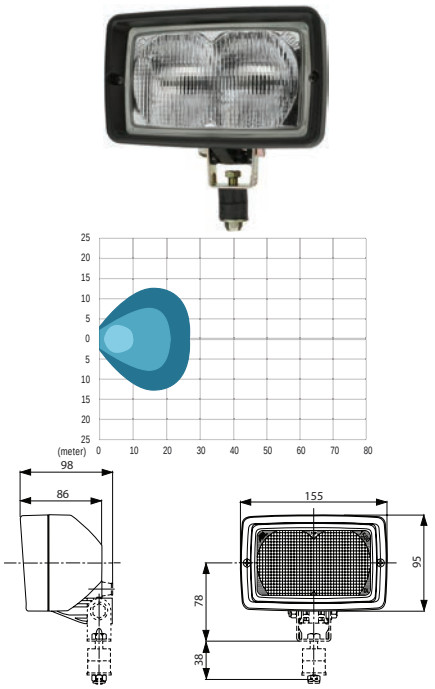
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



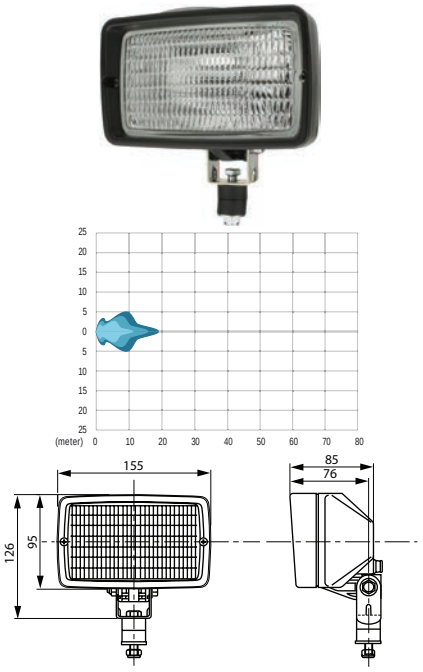
170984 Work Lamp

Light aperture 73x73 mm,
Dim. 110x175x110 mm, **Coiled cable** 2000 mm,
Type H3, **Socket type** PK22s,
Colour Black, **Material/dome** Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Magnet base w/, **2 poles** w/,
Lighter plug incl. Yes, **Handle** w/,
Coiled cable incl. Yes, **Bulb incl.** No, **Switch** w/
External plug for 6.3 mm flat plug connection.



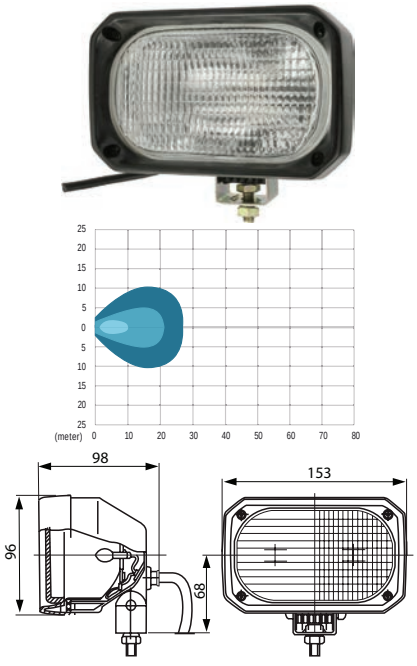
171167 Work Lamp

12/24/36/48 **V, Light aperture** 136x88 mm,
Dim. 155x95x86 mm, **Type** H3, **Colour** Black,
Mount. bracket U-bracket w/ 6 holes,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Dual, **Shape** Rectangular,
Handle w/o, **Bulb incl.** No, **Switch** w/o,
Tightness norm IP 54



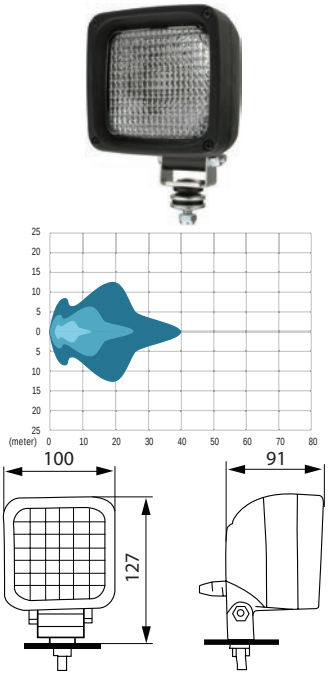
171168 Work Lamp

Light aperture 123x72 mm,
Dim. 155x126x85 mm, **Type** H3,
Colour Black, **Material/dome** Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Rectangular,
Inclination/downwards 40,
Inclination/upwards 100, **Handle** w/o,
Bulb incl. No, **Lamp grill incl.** No, **Switch** w/o



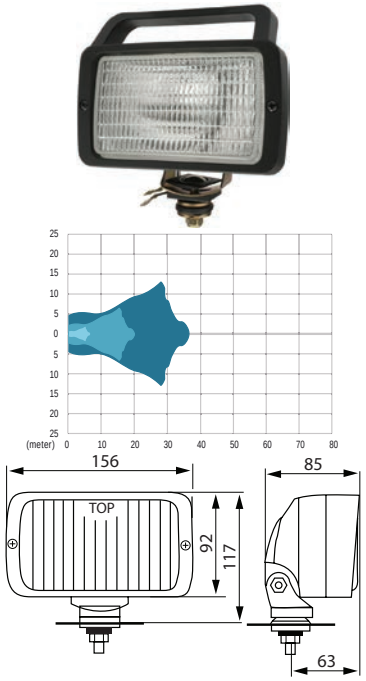
171347 Work Lamp

Light aperture 124x72 mm,
Dim. 153x96x98 mm,
Mount. Upright/pendant, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Rectangular,
Handle w/o, **Bulb incl.** No,
Lamp grill incl. No, **Switch** w/o



171449 Work Lamp

55 **W, Light aperture** 73x73 mm,
Dim. 100x127x91 mm,
Mount. Upright/pendant, **Type** H3,
Socket type PK22s, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/dome Shockproof plastic,
Material/house Glass, **Reflector system** Single,
Shape Square, **2 poles** w/, **Handle** w/o,
Bulb incl. No, **Lamp grill incl.** No,
Switch w/o, **Tightness norm** IP 66
External plug for multiplug connection.

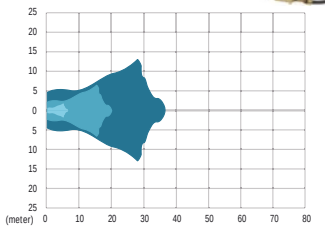


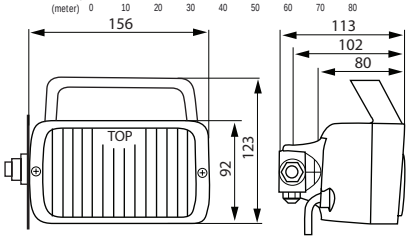
171564 Work Lamp

Light aperture 120x68 mm,
Dim. 156x117x85 mm, **Type** H3,
Socket type PK22s,
Material/dome Shockproof plastic,
Material/house Glass, **Shape** Rectangular,
Handle w/, **Bulb incl.** No, **Lamp grill incl.** No,
Switch w/, **Tightness norm** IP 55

O.E.M. names and numbers are used for reference purposes only.

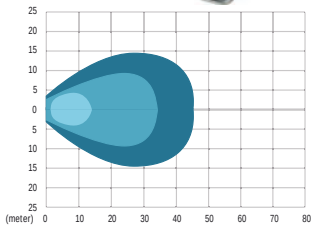
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

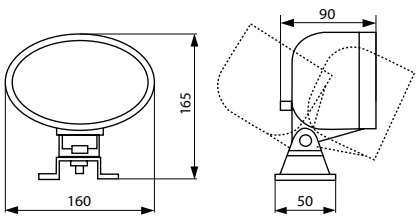




171566 Work Lamp

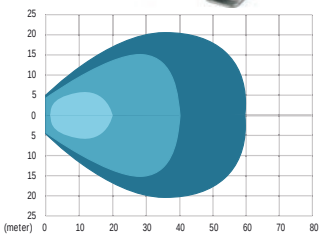
Light aperture 123x70 mm, **Dim.** 156x123x113 mm, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** Sidemounted, **Material/dome** Glass, **Material/house** Shockproof plastic, **Shape** Rectangular, **Inclination/downwards** Yes, **Inclination/sideways** Yes, **Inclination/upwards** Yes, **Handle** w/o, **Bulb incl.** No, **Lamp grill incl.** No, **Switch** w/o, **Tightness norm** IP 55

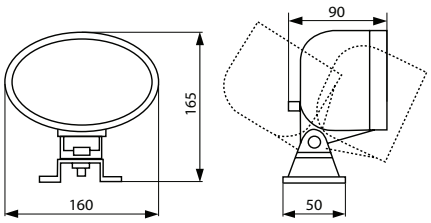




171619 Work Lamp

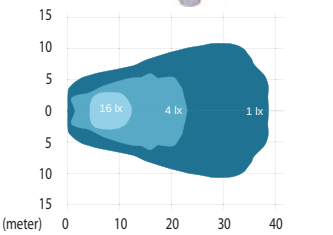
70 **W, Light aperture** 77x130 mm, **Dim.** 160x165x90 mm, **Type** H3, **Socket type** PK22s, **Model** Compact 5000, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Glass, **Material/house** Shockproof plastic, **Reflector system** Single, **Shape** Oval, **2 poles** w/, **Bulb incl.** No

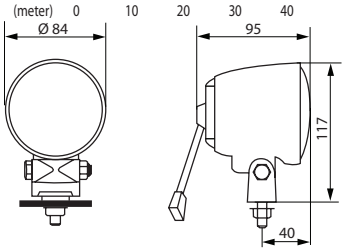




171620 Work Lamp

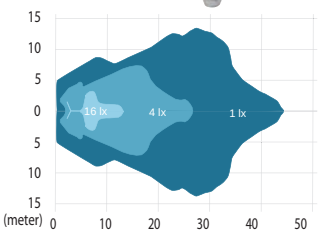
12/24 **V,** 55/70 **W,** **Light aperture** 77x130 mm, **Dim.** 160x165x90 mm, **Type** H3, **Model** Twin beam 5000, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Shockproof plastic, **Reflector system** Dual, **Shape** Oval, **2 poles** w/, **Bulb incl.** No

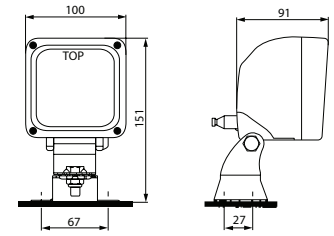




171745 Work Lamp

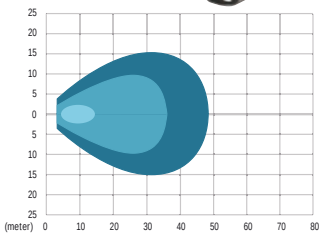
55 **W, Light aperture** 69 mm, **Dim.** 117x84x95 mm, **Mount.** 1 bolt, **Type** H3, **Colour** Black, **Mount. bracket** U-bracket w/ 1 bolt, **Material/dome** Glass, **Material/house** ABS plastic, **Reflector system** Single, **Shape** Round, **2 poles** w/, **Handle** w/o, **Bulb incl.** No, **Switch** w/o, **Tightness norm** IP 66

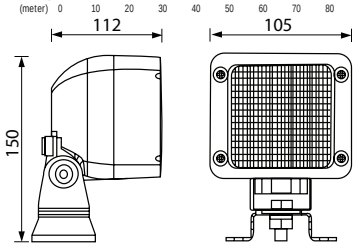




171782 Work Lamp

55 **W, Light aperture** 73x73 mm, **Dim.** 100x151x91 mm, **Mount.** Upright/pendant, **Type** H3, **Socket type** PK22s, **Colour** Black, **Mount. bracket** Single bolt fixing, **Material/dome** Glass, **Material/house** Shockproof plastic, **Reflector system** Single, **Shape** Square, **2 poles** w/, **Handle** w/o, **Bulb incl.** No, **Switch** w/, **Tightness norm** IP 66
w/ Deutsch multiconnection.





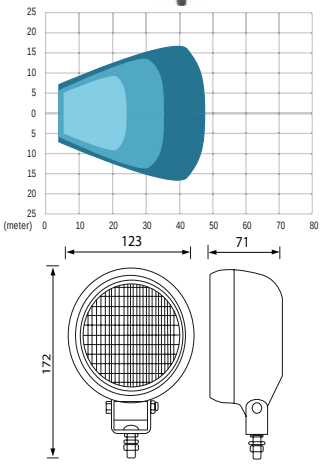
171845 Work Lamp

Servicing: Marine

12/24 **V,** 55/70 **W,** **Dim.** 105x150x112 mm, **Mount.** Single bolt fixing, **Type** H3, **Colour** White, **Mount. bracket** Hook fastening, **Material/dome** Glass, **Shape** Square, **Bulb incl.** Yes, **Tightness norm** IP 65

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

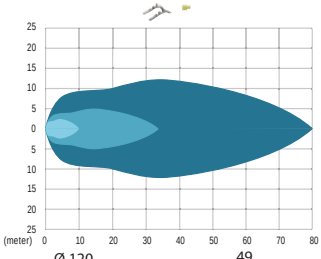
O.E.M. names and numbers are used for reference purposes only.

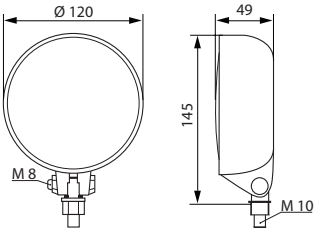


171848 Work Lamp

12/24 **V,** 55/70 **W, Dim.** 123x172x71 mm, **Type** H3, **Colour** Black, **Mount. bracket** Single bolt fixing, **Material/dome** Glass, **Material/house** PVC, **Shape** Round, **Bulb incl.** No

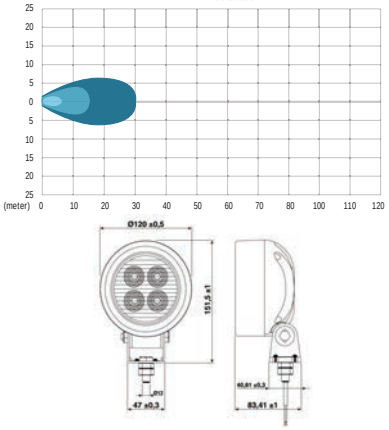
w/LED





171640 LED Work Lamp

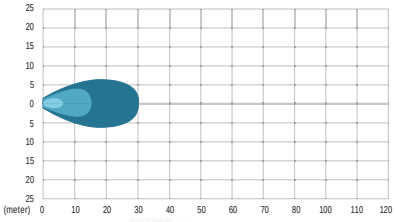
9-30 **V,** 24 **W,** 1440 **lm**, **Light aperture** 130 mm, **Dim.** 120x145x49 mm, **Mount.** 1 nut, **Type** LED, **Model** 8 LED, **Colour** Grey, **Mount. bracket** w/ 1 nut, **Material/house** Aluminium, **Shape** Round, **Magnet base** w/o, **2 poles** w/, **Handle** w/o, **Switch** w/o, **Tightness norm** IP 69K, **Approvals** GGVS/ADR, **E-approval** Yes

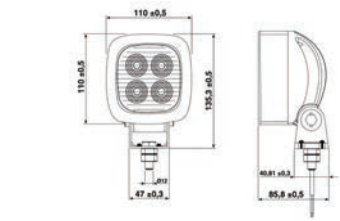


171671 LED Work Lamp

9-56 **V,** 8.5 **W,** 450 **lm**, 5000-6500 **Kelvin**, 800 **cd**, **Light aperture** 100 mm, **Dim.** 120x151.5x83.5 mm, **Type** LED, **Colour** Black, **Mount. bracket** w/ 1 nut, **Material/dome** Shockproof plastic, **Material/house** Shock thermo plastic, **Shape** Round, **Magnet base** w/o, **2 poles** w/o, **Handle** w/o, **Switch** w/o, **Tightness norm** IP 66

4 diodes. Black cable negative.

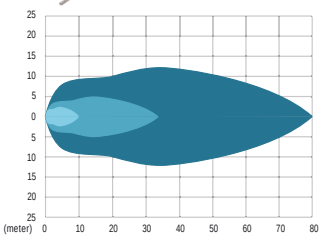




171672 LED Work Lamp

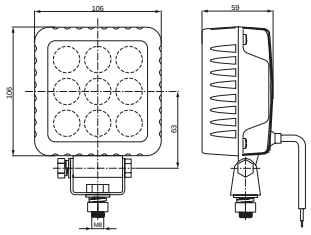
9-56 **V,** 8.5 **W,** 450 **lm**, 5000-6500 **Kelvin**, 800 **cd**, **Light aperture** 100 mm, **Dim.** 110x153.5x86 mm, **Mount.** Bracket, **Type** LED, **Colour** Black, **Mount. bracket** 1 nut, **Material/dome** Shockproof plastic, **Material/house** Shockproof plastic, **Shape** Square, **Tightness norm** IP 66

4 diodes.



171723 LED Work Lamp

9-30 **V,** 24 **W,** 1440 **lm**, **Light aperture** 130 mm, **Dim.** 154x130x53 mm, **Mount.** 1 nut, **Type** LED, **Model** 8 LED - Marine, **Colour** White, **Mount. bracket** w/ 1 nut, **Material/house** Aluminium, **Shape** Round, **2 poles** w/, **Tightness norm** IP 69K, **Approvals** GGVS/ADR, **E-approval** Yes



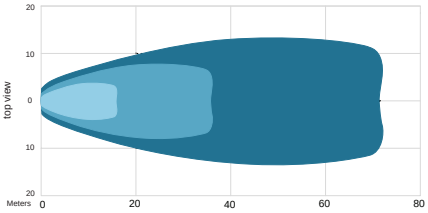
171727 LED Work Lamp

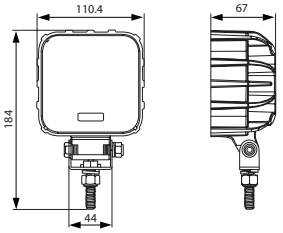
9-33 **V,** 9 **W,** 800-1000 **lm**, 5000-5500 **Kelvin**, **Light aperture** 85x85 mm, **Dim.** 106x106x59 mm, **Type** LED, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Shockproof plastic, **Material/house** Moulded aluminium, **Shape** Square, **Handle** w/o, **Switch** w/o, **Tightness norm** IP 67, **E-approval** Yes

Grey lead +, white lead -.

O.E.M. names and numbers are used for reference purposes only.

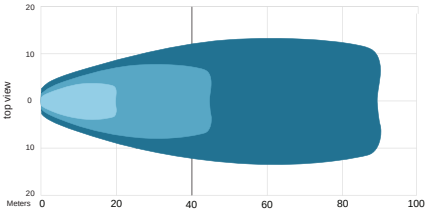
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

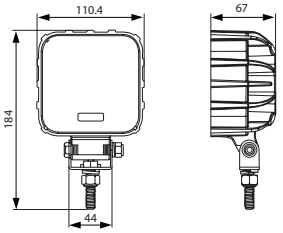




171753 LED Work Lamp

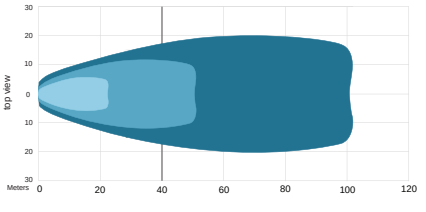
11-70 **V,** A, 22 **W,** 1000 **lm**,
Light aperture 88x88 mm,
Dim. 110.4x184x67 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/house Moulded aluminium,
Shape Square, **Tightness norm** IP 67

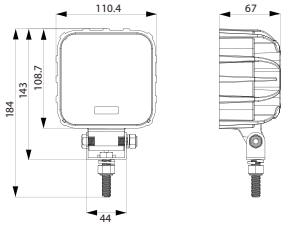




171754 LED Work Lamp

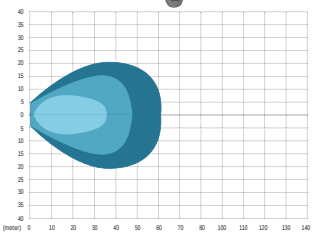
11-70 **V,** A, 22 **W,** 1400 **lm**,
Light aperture 88x88 mm,
Dim. 110.4x184x67 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/house Moulded aluminium,
Shape Square, **Magnet base** w/o,
2 poles w/o, **Handle** w/o, **Switch** w/o,
Tightness norm IP 67, **E-approval** No





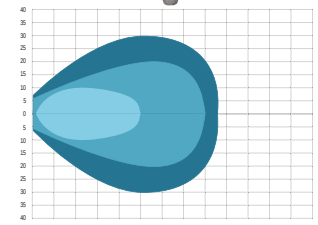
171755 LED Work Lamp

11-70 **V,** A, 27 **W,** 1900 **lm**,
Light aperture 88x88 mm,
Dim. 110.4x184x67 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket Single bolt fixing,
Material/house Moulded aluminium,
Tightness norm IP 67, **E-approval** No



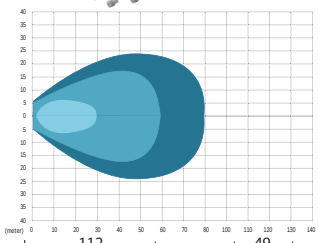
171751 LED Work Lamp

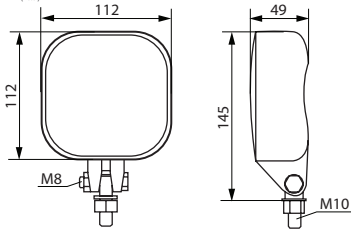
9-36 **V,** 19 **W,** 1200 **lm**, 2210 **cd**,
Light aperture 100x100 mm,
Dim. 104.9x162.3x54.2 mm, **Type** LED,
Model 6 LED, **Colour** Black,
Mount. bracket U-bracket w/ 1 bolt,
Material/dome Polycarbonat,
Material/house Moulded aluminium,
Handle w/o, **Switch** w/o,
Tightness norm IP 67
White cable to ground. Black cable to +12/36 V.



171752 LED Work lamp

12-36 **V,** 20 **W,** 1800 **lm**, 3600 **cd**,
Light aperture 93x83 mm,
Dim. 125x176x60.1 mm,
Mount. U-bracket w/ 1 bolt, **Type** LED,
Model 9 LED, **Colour** Black,
Material/dome Polycarbonat,
Material/house Moulded aluminium,
Switch w/o, **Tightness norm** IP 67
White cable to ground. Black cable to +12/36 V.



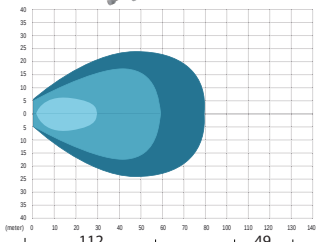


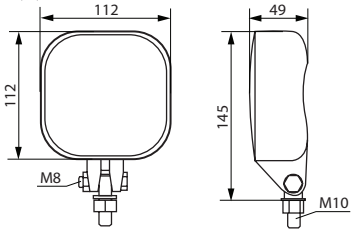
171774 LED Work Lamp

11-30 **V,** 40 **W,** 3200 **lm**,
Dim. 112x112x49 mm, **Mount.** U-bracket w/ 1 bolt, **Type** LED, **Model** 12 LED,
Colour Silver, **Material/house** Moulded aluminium, **Shape** Square,
Tightness norm IP 69K,
Approvals GGVS/ADR, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

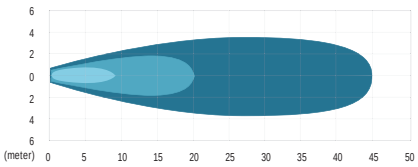
O.E.M. names and numbers are used for reference purposes only.

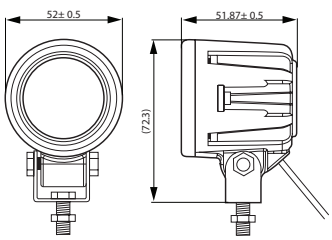




171775 LED Work Lamp

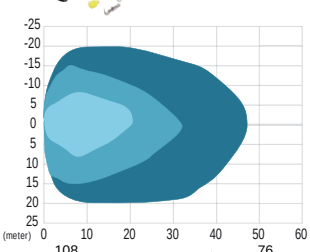
11-30 **V,** 36 **W,** 1800 **lm**,
Dim. 112x112x49 mm, **Mount.** U-bracket w/ 1 bolt, **Type** LED, **Model** 12 LED, **Colour** Silver, **Material/house** Moulded aluminium, **Tightness norm** IP 69K, **Approvals** EMC/ADR/GGVS
Lifetime for LED is 50.000 hours.

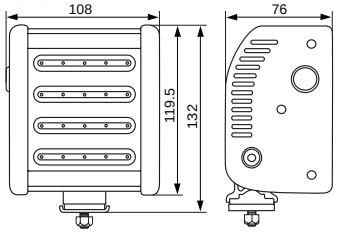




171811 LED Work Lamp

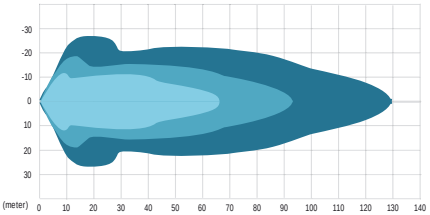
10-80 **V,** 5 **W,** 600 **lm**, 5000-6500 **Kelvin**, 2000 **cd**, **Light aperture** 35 mm,
Dim. 72.3x52x51.87 mm, **Type** LED, **Colour** Black, **Mount. bracket** Bracket, **Material/house** Aluminium, **Shape** Round, **Inclination/downwards** Yes, **Inclination/upwards** Yes, **Tightness norm** IP 66, **Approvals** CE
Pre-wired w/ 30 cm cable.

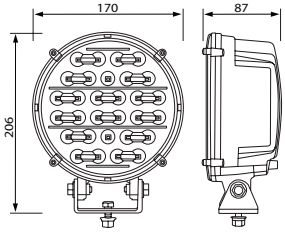




171838 LED Work Lamp

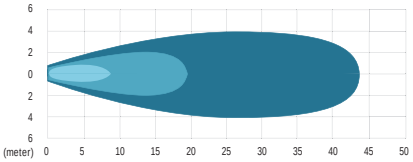
9-36 **V,** 1.2/2.5 **A**, 28-30 **W,** 3000 **lm**,
Mount. Single bolt fixing, **Model** 20 LED, **Colour** Black, **Material/dome** Polycarbonat, **Material/house** Aluminium, **Shape** Square, **2 poles** w/, **Tightness norm** IP 67, **Approvals** CE

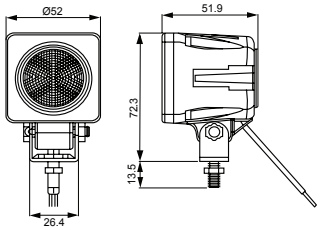




171846 LED Work Lamp

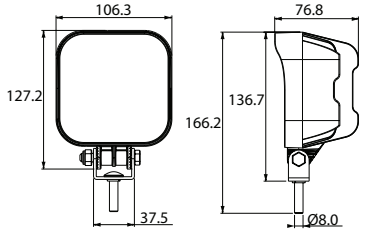
9-36 **V,** 6/3 **A**, 67.5 **W,** 5400 **lm**,
Dim. 170x206x87 mm, **Type** LED, **Colour** Black, **Mount. bracket** Bracket, **Material/dome** Polycarbonat, **Material/house** Aluminium, **Shape** Round, **Inclination/downwards** 45, **Inclination/upwards** 45, **2 poles** w/, **Tightness norm** IP 67, **Approvals** CE





171847 LED Work Lamp

10-80 **V,** 0.3 **A**, 5 **W,** 600 **lm**, 5000-6500 **Kelvin**, 2000 **cd**,
Dim. 52x51.9x72.3 mm, **Type** LED, **Model** LED, **Colour** Black, **Shape** Square, **Inclination/downwards** Yes, **Inclination/upwards** Yes, **Tightness norm** IP 67, **Approvals** CE
Pre-wired w/ 30 cm cable.



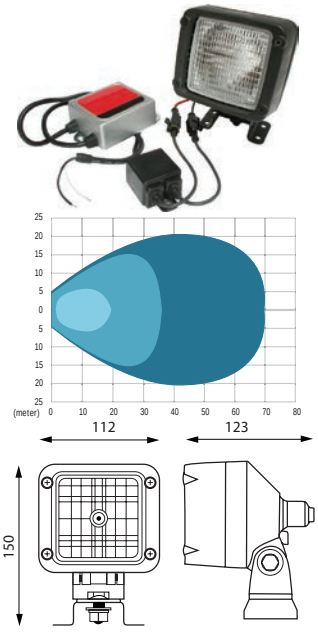
171932 LED Work Lamp

12-36 **V,** 40 **W,** 3200 **lm**,
Dim. 127.2x106.3x76.8 mm, **Type** LED, **Model** 4 LED, **Colour** Black, **Mount. bracket** Bracket, **Material/house** Aluminium, **Shape** Square, **Tightness norm** IP 67, **E-approval** Yes
280 mm cable.

O.E.M. names and numbers are used for reference purposes only.

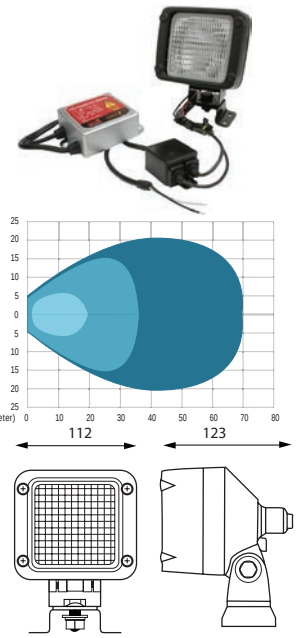
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

w/HID



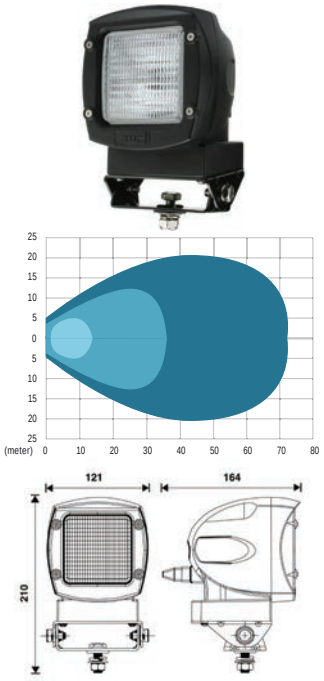
171594 HID Work Lamp

12 **V,** **Light aperture** 73x73 mm,
Dim. 112x150x123 mm, **Type** H3, **Colour** Black,
Mount. bracket Mounting bracket,
Material/dome Glass,
Material/house Shockproof plastic,
Shape Square, **Ballast** External,
Magnet base w/o, **2 poles** w/, **Handle** w/o,
Bulb incl. Yes, **Switch** w/o, **Tightness norm** IP 65
Bulb: Cargo 171595.



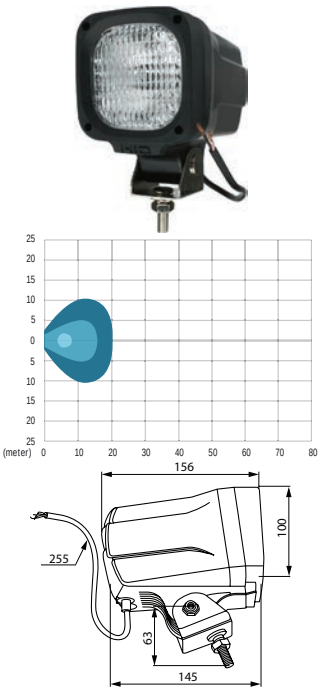
171611 HID Work Lamp

24 **V,** **Light aperture** 73x73 mm,
Dim. 112x150x123 mm, **Type** H3,
Model HID, **Colour** Black,
Mount. bracket Mounting bracket,
Material/dome Glass,
Material/house Shockproof plastic,
Shape Square, **Ballast** External,
Magnet base w/o, **2 poles** w/, **Handle** w/o,
Bulb incl. Yes, **Switch** w/o, **Tightness norm** IP 65
Bulb: Cargo 171595.



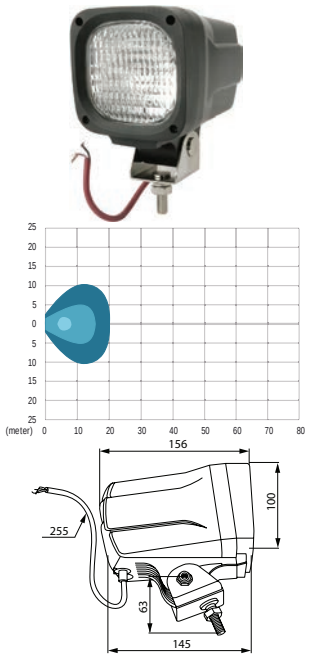
171615 HID Work Lamp

12 **V,** 35 **W,** **Light aperture** 73x73 mm,
Type D1S, **Socket type** PK32d-2,
Colour Black, **Mount. bracket** Hook fastening,
Material/dome Glass,
Material/house Shockproof plastic,
Reflector system Single, **Shape** Square,
Magnet base w/o, **Handle** w/o,
Bulb incl. Yes, **Switch** w/o,
Tightness norm IP 65



171625 HID Work Lamp

12 **V,** 35 **W,** **Light aperture** 75 mm,
Dim. 156x100 mm, **Mount.** Single bolt fixing,
Type D2S, **Socket type** PK32d-2, **Colour** Black,
Mount. bracket Hook fastening, **Material/dome** Glass, **Material/house** Aluminium,
Reflector system Single, **Shape** Square,
Magnet base w/o, **2 poles** w/o,
Handle w/o, **Bulb incl.** Yes, **Switch** w/o



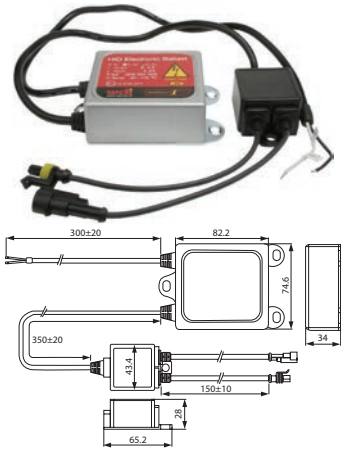
171626 HID Work Lamp

24 **V,** 35 **W,** **Light aperture** 75 mm,
Dim. 156x100 mm, **Mount.** Single bolt fixing,
Type D2S, **Socket type** PK32d-3, **Colour** Black,
Mount. bracket Mounting bracket,
Material/dome Glass, **Material/house** Aluminium,
Reflector system Single, **Shape** Square,
Magnet base w/o, **2 poles** w/o,
Handle w/o, **Bulb incl.** Yes, **Switch** w/o

Spare Parts

171595 Xenon Bulb

Servicing: Cargo 171594
Type 2 Xenon, **Type 3** H3



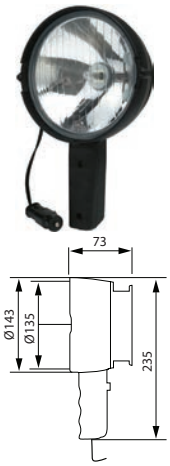
171612 Ballast

Servicing: Cargo 171611
24 **V,** **Model** HID

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

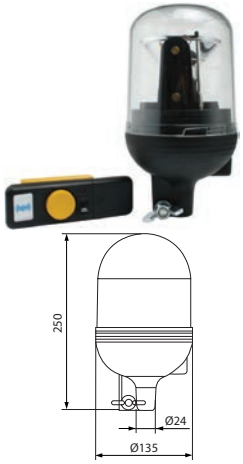
Spot Lights



170293 Spot Light
12 **V,** 55 **W, Light aperture** 120 mm,
Dim. 235x73 mm, **Cable length** 6000 mm,
Type 1 Halogen, **Type 2** H3,
Socket type PK22s,
Connection cable w/, **Colour** Black,
Material/house Shockproof plastic,
Shape Round, **Lighter plug incl.** Yes,
Bulb incl. Yes, **Protective cover** w/,
Switch w/
Hand-held.

170564 Spot Light
Light aperture 131 mm,
Dim. 226x77 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Material/dome Glass,
Material/house Shockproof plastic,
Inclination/sideways Yes, **Handle** w/,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/

171375 Spot Light
Light aperture 130 mm,
Dim. 178x236x90 mm,
Mount. Mounting bracket,
Coiled cable 2000 mm, **Type** H3,
Socket type PK22s, **Colour** Black,
Material/dome Glass,
Material/house Metal, **Shape** Round,
Magnet base w/, **Lighter plug incl.** Yes,
Handle w/, **Coiled cable incl.** Yes,
Bulb incl. No, **Lamp grill incl.** Yes,
Switch w/

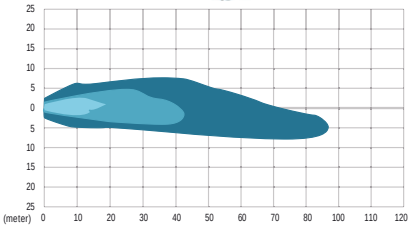


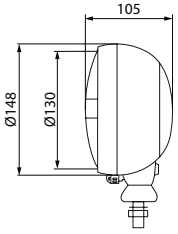
171464 Spot Light
12 **V,** 4.6 **A**, 55 **W, OD** 135 mm,
Mount. Standard ISO A - Rod,
Height 250 mm, **Width** 135 mm,
Lens type Polycarbonat, **Bulb type** H1,
Base Rigid, **Hi impact** Yes,
Bulb incl. Yes, **Tightness norm** IP 55
Remote controlled by EU approved radio controller. Frequency 433.92MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: Cargo 200742, 200769.

171466 Spot Light
12 **V,** 4.6 **A**, 55 **W, OD** 160 mm,
Mount. Standard ISO B2 (and B1) - Base,
Height 194 mm, **Width** 165 mm,
Lens type Polycarbonat, **Bulb type** H1,
Hi impact Yes, **Bulb incl.** Yes,
Tightness norm IP 55
Remote controlled by EU approved radio controller. Frequency 433.92MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: Cargo 200742, 200769.

Forward Lighting

Tractor Head Lamps

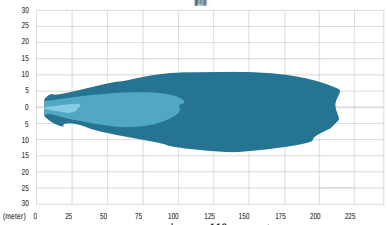


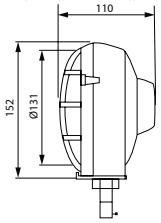


170132 Head Lamp
45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 130 mm,
Dim. 148x105 mm, **Socket type 1** P45t,
Socket type 2 P45t, **Socket type 3** BA9s,
Colour Black, **Material** Metal,
Sidemarker w/, **Asymmetric light** w/,
RH/ LH LH, **E-approval** Yes
Light unit: Cargo 170239.

O.E.M. names and numbers are used for reference purposes only.

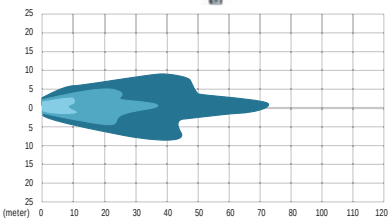
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

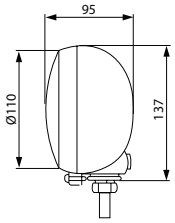




170310 Head Lamp

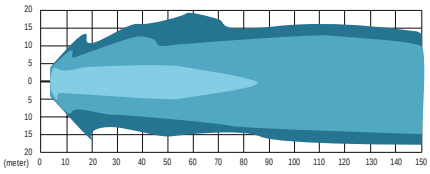
12/24 **V,** 45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 131 mm, **Dim.** 152x110 mm,
Mount. 1 bolt, **Socket type 1** P45t,
Socket type 2 P45t, **Socket type 3** BA9s,
Colour Black, **Material** Plastic,
Material/dome Glass, **Shape** Round,
Sidemarker w/, **Asymmetric light** w/,
Bulb incl. No, **Grill** w/, **RH/ LH** LH,
E-approval Yes
For upright fixing.

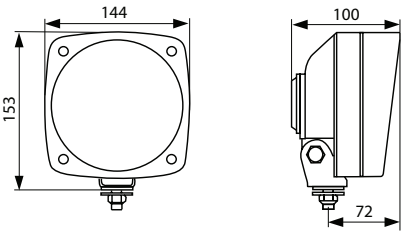




170843 Head Lamp

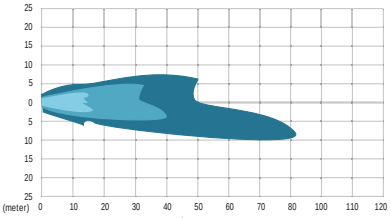
45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 110 mm, **Dim.** 137x95 mm,
Mount. 1 bolt, **Socket type 1** BA20d,
Socket type 2 BA20d,
Socket type 3 BA9s, **Colour** Black,
Material Metal, **Material/dome** Glass,
Fixing screw 12, **Shape** Round,
Sidemarker w/, **Asymmetric light** w/,
Bulb incl. No, **E-approval** Yes
Light unit: Cargo 170844.

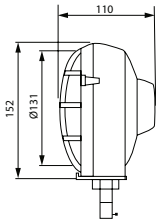




170974 Head Lamp

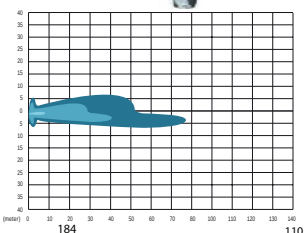
60/65 **W 1,** 75/70 **W 2,**
Dim. 144x153x100 mm,
Mount. Horizontal/vertical,
Bulb type 1 H4, **Bulb type 2** H4,
Socket type 1 P43t, **Socket type 2** P43t,
Colour Black, **Material** Shockproof plastic, **Material/dome** Glass,
Fixing screw 1 bolt, **Sidemarker** w/o,
Sidemarker lamp w/o,
Asymmetric light w/, **Bulb incl.** No,
Grill w/o, **LH, E-approval** Yes

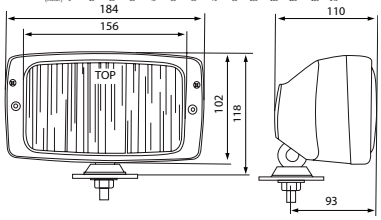




170311 Head Lamp

12/24 **V,** 45/40 **W 1,** 55/50 **W 2,** 4 **W 3,**
Light aperture 131 mm,
Dim. 152x110 mm, **Mount.** 1 bolt,
Socket type 1 P45t, **Socket type 2** P45t,
Socket type 3 BA9s, **Colour** Black,
Material Plastic, **Material/dome** Glass,
Shape Round, **Sidemarker** w/,
Asymmetric light w/, **Bulb incl.** No,
Grill w/, **LH, E-approval** Yes
Horizontal fixing.





170865 Head Lamp

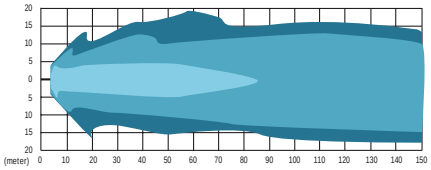
Servicing: Zetor: Model 2002, Proxima, Forterra, Super, Super Eko, Classic Eko
60/55 **W 1,** 75/70 **W 2, Dim.** 184x118x110 mm,
Mount. Horizontal, **Bulb type 1** H4,
Bulb type 2 H4, **Socket type 1** P43t,
Socket type 2 P43t, **Colour** Black,
Material Shockproof plastic,
Material/dome Glass, **Shape** Rectangular,
Sidemarker w/o, **Asymmetric light** w/,
Bulb incl. No, **Grill** w/o, **LH, E-approval** Yes

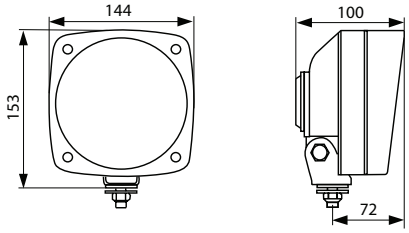
171006 Head Lamp

12/24 **V,** 60/55 **W 1,** 75/70 **W 2,**
Dim. 155x208x128 mm,
Mount. Horizontal/vertical,
Bulb type 1 H4, **Bulb type 2** H4,
Socket type 1 P43t, **Socket type 2** P43t,
Colour Black, **Material** Shockproof plastic,
Material/dome Glass, **Shape** Square,
Sidemarker w/, **Flasher light** w/,
Asymmetric light w/, **Bulb incl.** Yes 12 V,
Grill w/o, **RH/LH, E-approval** Yes
Light unit: Cargo 171007.

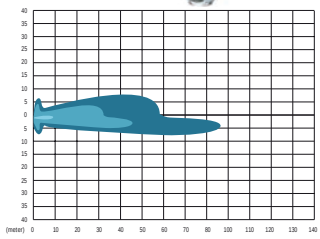
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

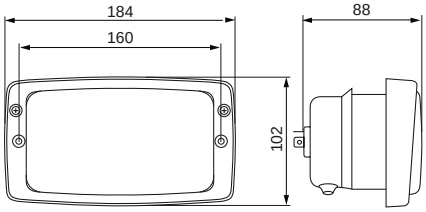
O.E.M. names and numbers are used for reference purposes only.





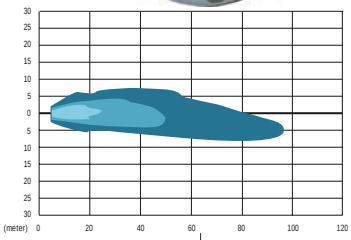
171038 Head Lamp
60/65 **W 1,** 75/70 **W 2,** 4 **W 3, Dim.** 144x153x100 mm, **Mount.** Horizontal/vertical, **Socket type 1** P43t, **Socket type 2** P43t, **Socket type 3** BA9s, **Colour** Black, **Material** Shockproof plastic, **Material/ dome** Glass, **Fixing screw** 1 bolt, **Sidemarker** w/, **Asymmetric light** w/, **Bulb incl.** No, **Grill** w/o, **LH, E-approval** Yes

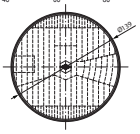


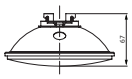


171565 Head Lamp
60/55 **W 1,** 75/70 **W 2,** 4 **W 3, Dim.** 184x102x88 mm, **Mount.** Horizontal/ vertical, **Socket type 1** P43t, **Socket type 2** P43t, **Socket type 3** BA9s, **Colour** Black, **Material** Shockproof plastic, **Sidemarker** w/, **E-approval** Yes

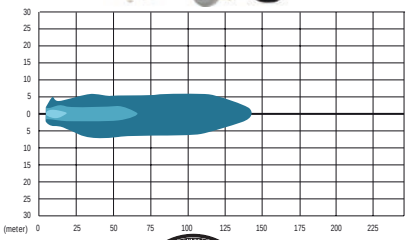
Spare Parts

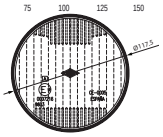


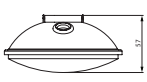




170239 Light Unit
45/40 **W 1,** 55/50 **W 2,** 4 **W 3, OD** 130 mm, **Socket type 1** P45t, **Socket type 2** P45t, **Socket type 3** BA9s, **Material** Glass, **Shape** Round, **Sidemarker** w/, **Asymmetric light** w/, **Bulb incl.** No, **LH, E-approval** Yes
For Cargo 170132.





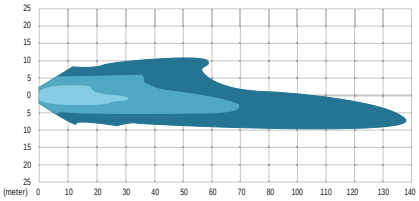


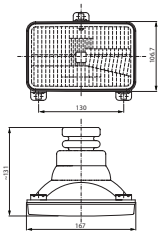
170844 Light Unit
Servicing: Cargo 170843
Light aperture 110 mm, **Shape** Round

171007 Light Unit
Material Glass, **Shape** Square, **E-approval** Yes
For Cargo 171006, 170926.

171008 Lens
Servicing: Cargo 171006, 170926
Colour Orange

Headlight Inserts

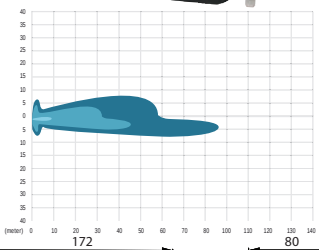


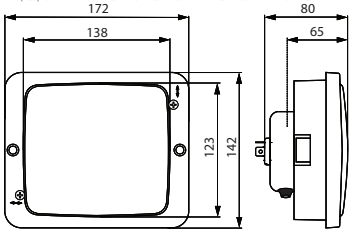


170690 Light Unit
Servicing: Chrysler, Fendt, Ford, GM, IH/ Case, Isuzu, John Deere, Mazda
60/65, 75/70 **W 1, Dim.** 167x106.7 mm, **Bulb type 1** H4, **Socket type 1** P43t, **Shape** Rectangular, **Connection** Multiplug, **E-approval** Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.





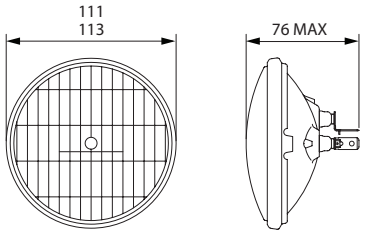
170867 Head Lamp

12/24 **V,** 60/55 **W 1,** 75/70 **W 2,** 4 **W 3, Dim.** 172x142x80 mm, **Type** H4, **Socket type 1** P43t, **Socket type 2** P43t, **Socket type 3** BA9s, **Material** Metal, **Material/dome** Glass, **Fixing screw** 2, **Sidemarker** w/, **E-approval** Yes
Heat resistant plastic reflector bonded w/ glass lens. Flush fitting head lA. Build-in depth: 69 mm.

170868 Light Unit

60/55 **W 1,** 75/70 **W 2,** 4 **W 3,** **Bulb type 1** H4, **Bulb type 2** H4, **Socket type 1** P43t, **Socket type 2** P43t, **Socket type 3** BA9s, **Material** Rubber, **Shape** Round, **Sidemarker** w/, **LH,** **E-approval** Yes

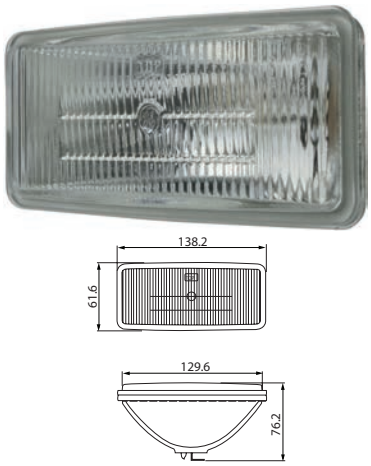
Sealed Beams



4440x Sealed Beam

Servicing: Ford

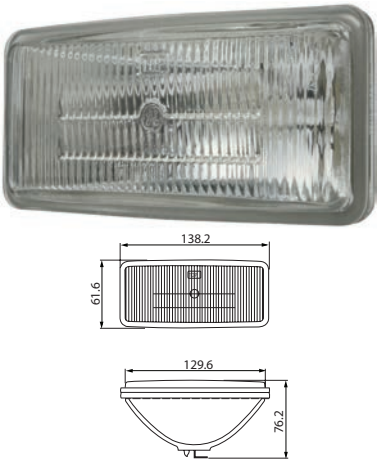
12 **V,** 40/40 **W 1**



h4360 Sealed Beam

Servicing: John Deere lawn equipment w/ cooling engine

12 **V,** 37.5 **W,** **Dim.** 138.2x61.6x76.2 mm

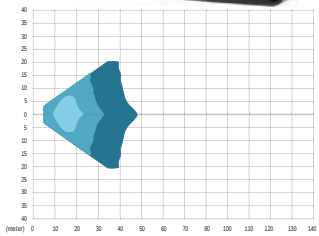


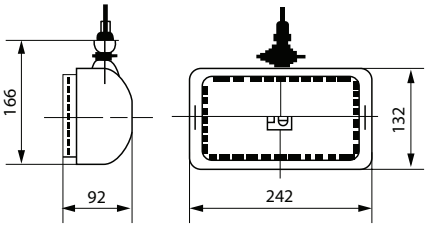
h5360 Sealed Beam

Servicing: John Deere

12 **V,** 37.5 **W,** **Dim.** 138.2x61.6x76.2 mm
Longlife.

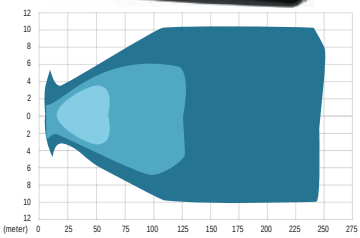
Auxilliary Lamps

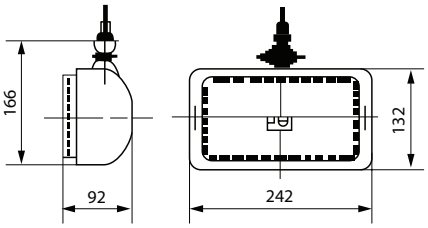




170549 Fog Lamp

12/24 **V,** 55/70 **W,**
Light aperture 200x107 mm,
Dim. 242x166x92 mm, **Type** Fog light,
Bulb type H3, **Material/dome** Glass,
Shape Rectangular, **E-approval** Yes
Light unit: Cargo 170620.



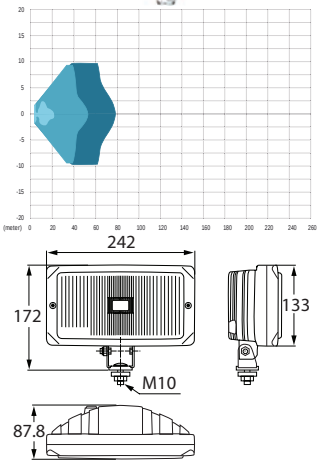


170550 Driving Lamp

12/24 **V,** 55/70 **W,**
Light aperture 200x107 mm,
Dim. 242x166x92 mm, **Mount.** Mounted below, **Type** Driving lamp, **Bulb type** H3, **Colour** Black, **Material** Metal,
Shape Rectangular, **Bulb incl.** No,
E-approval Yes
Light unit: Cargo 170621.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

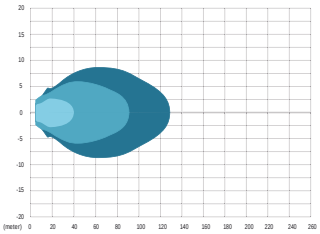
O.E.M. names and numbers are used for reference purposes only.

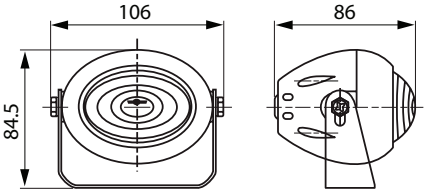


170616 Fog Lamp

12/24 **V,** 55/70 **W,**
Dim. 242x172x87.8 mm, **Type** Fog light,
Bulb type H3, **Colour** Yellow,
Shape Rectangular, **E-approval** Yes
Light unit: Cargo 170622.

Pkg. 2

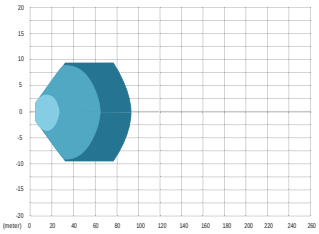


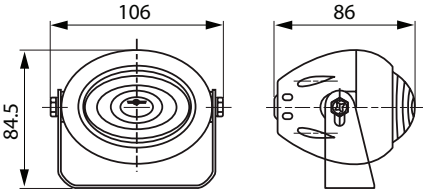


171359 Driving Lamp

12/24 **V, Light aperture** 55x35 mm,
Dim. 106x84.5x86 mm, **Mount.** U-bracket w/ 2 holes, **Bulb type** H3,
Material Shockproof plastic, **Shape** Oval,
Bulb incl. No

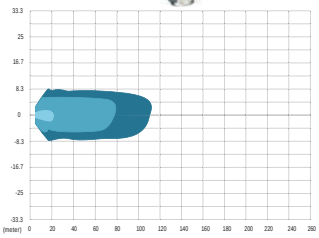
Pkg. 2

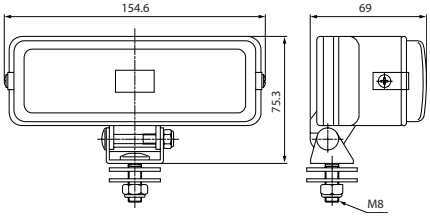




171360 Fog Lamp

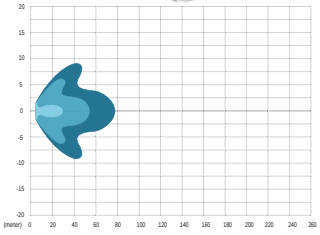
12/24 **V, Light aperture** 55x35 mm,
Dim. 106x84.5x86 mm, **Mount.** U-bracket w/ 2 holes, **Bulb type 1** H3,
Material Shockproof plastic,
Material/dome Glass, **Shape** Oval,
Bulb incl. No

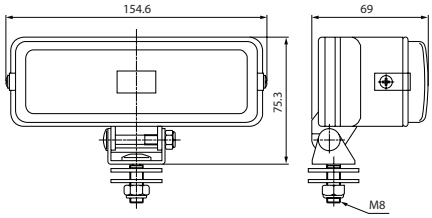




171361 Driving Lamp

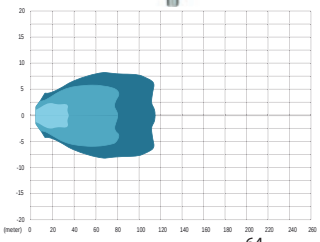
12/24 **V,** 55/70 **W,**
Light aperture 130x35 mm,
Dim. 154.6x75.3x69 mm,
Mount. U-bracket w/ 1 bolt,
Bulb type H3, **Material** Shockproof plastic,
Material/dome Glass, **Shape** Rectangular,
Bulb incl. No, **E-approval** No

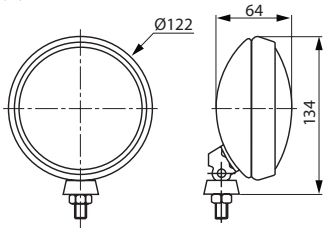




171362 Fog Lamp

12/24 **V, Light aperture** 130x35 mm,
Dim. 154.6x75.3x69 mm,
Mount. U-bracket w/ 1 bolt,
Bulb type H3, **Material** Shockproof plastic,
Material/dome Glass, **Shape** Rectangular,
Bulb incl. No, **E-approval** No



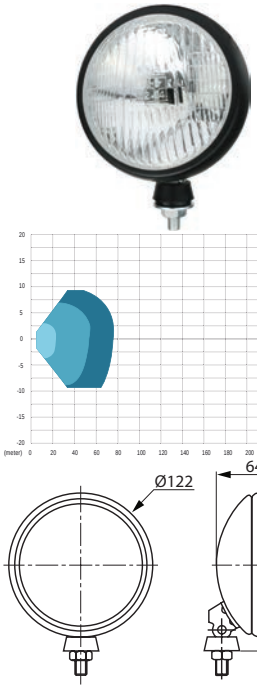


171363 Driving Lamp

12/24 **V, Light aperture** 95 mm,
Dim. 122x134x64 mm, **Mount.** Mounted below, **Bulb type** H3, **Colour** Black,
Material Metal, **Material/dome** Glass,
Shape Round, **Bulb incl.** No

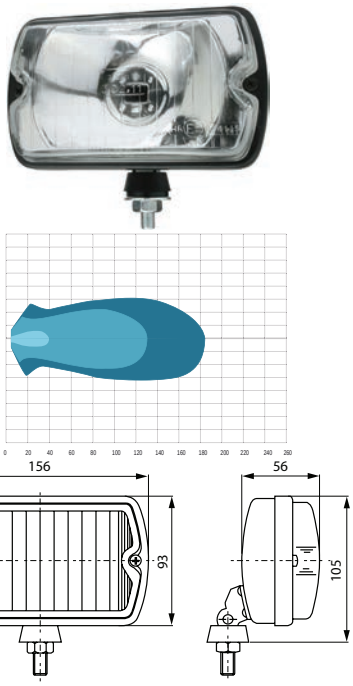
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



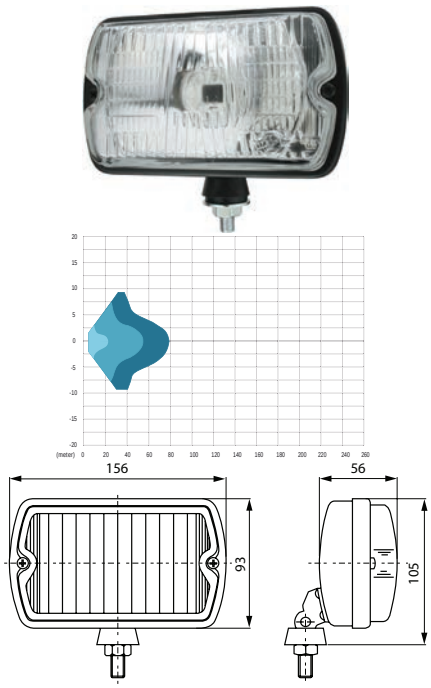
171364 Fog Lamp

12/24 **V,** 55/70 **W,**
Light aperture 95 mm,
Dim. 122x134x64 mm, **Mount.** Mounted below, **Bulb type** H3, **Colour** Black, **Material** Metal, **Material/dome** Glass, **Shape** Round, **Bulb incl.** No



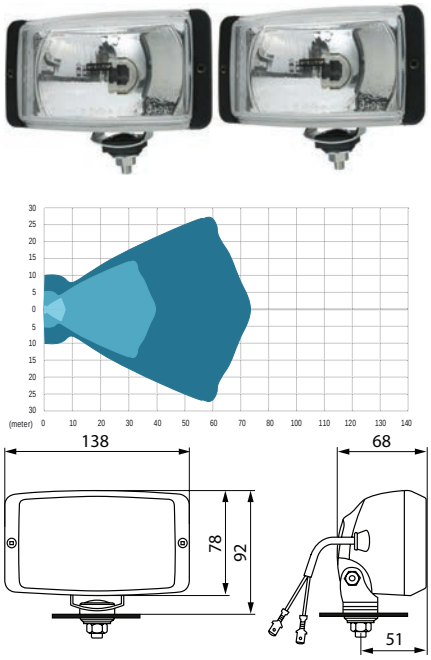
171365 Driving Lamp

12/24 **V,** 55/70 **W,**
Light aperture 110x75 mm,
Dim. 156x105x56 mm, **Mount.** Mounted below, **Type** Driving lamp, **Bulb type** H3, **Colour** Black, **Material** Metal, **Material/dome** Glass, **Shape** Rectangular, **Bulb incl.** No, **E-approval** Yes



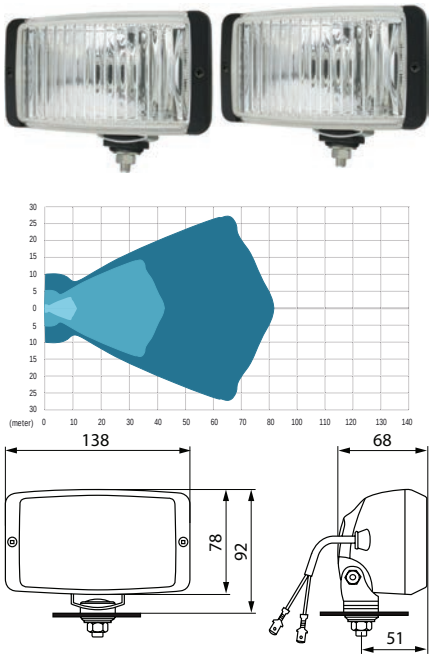
171366 Fog Lamp

12/24 **V,** 55/70 **W,**
Light aperture 110x75 mm,
Dim. 156x105x56 mm, **Mount.** Mounted below, **Type** Fog light, **Bulb type** H3, **Colour** Black, **Material** Metal, **Material/dome** Glass, **Shape** Rectangular, **Bulb incl.** No, **E-approval** Yes



171451 Set of Driving Lamps

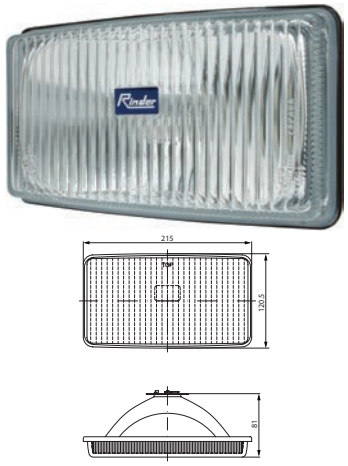
12 **V,** 55 **W,** 55 **W 1,**
Light aperture 110x60 mm,
Dim. 138x78x68 mm, **Mount.** 1 bolt, **Bulb type** H3, **Material** Shockproof plastic, **Material/dome** Glass, **Bulb incl.** Yes, **Bracket** Pendant, **E-approval** Yes



171452 Fog Lamp Set

12 **V,** 55 **W,** 55 **W 1,**
Light aperture 110x60 mm,
Dim. 138x78x68 mm, **Mount.** Screw, **Bulb type** H3, **Material** Shockproof plastic, **Material/dome** Glass, **Bulb incl.** Yes, **Bracket** Pendant, **E-approval** Yes

Spare Parts



170620 Light Unit

Servicing: Cargo 170549
Dim. 215x120.5x81 mm,
Shape Rectangular

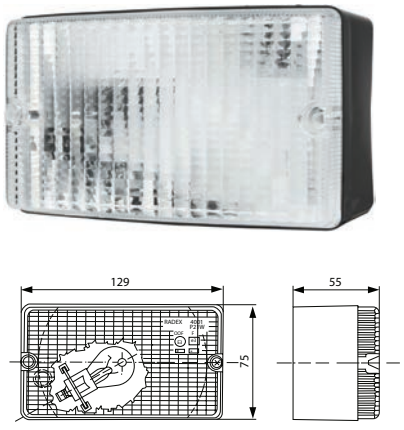
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

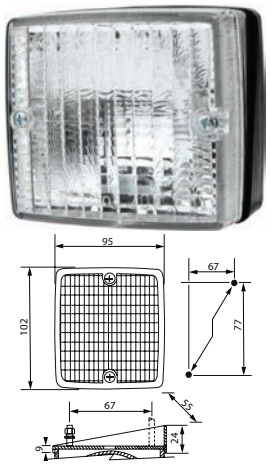
170621 Light Unit
Servicing: Cargo 170550
Light aperture 200x107 mm,
Dim. 215x120.5x81 mm, **Bulb type** H3,
Colour Black, **Material** Metal,
Shape Rectangular, **Bulb incl.** No

Tail Lights

Reversing Lamps

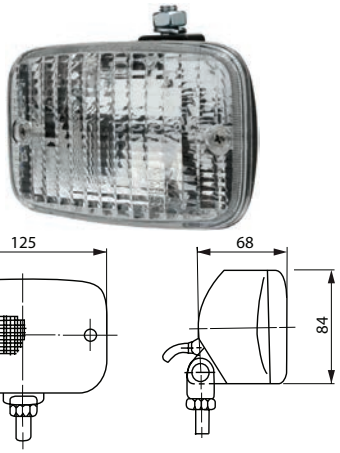


170689 Reversing Lamp
21 **W, Dim.** 129x75x55 mm,
Dist. mount. holes 56 mm,
Socket type BA15S,
Fixing screw 1, **Shape** Rectangular,
Connection Connection,
Reverse light w/, **Bracket** Straight

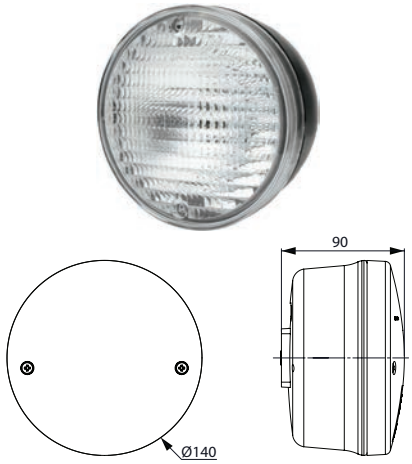


170932 Reversing Lamp
21 **W, Dim.** 102x95x55 mm,
Dist. mount. holes 77 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Screw, **Reverse light** w/

170934 Reversing Lamp
21 **W, Dim.** 140x90 mm,
Dist. mount. holes 45 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection,
Reverse light w/, **Wiring system** w/



170935 Reversing Lamp
21 **W, Dim.** 125x84x68 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw M10, **Shape** Rectangular,
Connection Connection,
Reverse light w/, **Bracket** Pendant,
E-approval Yes

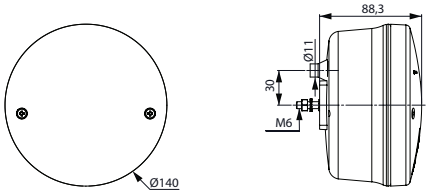


171222 Reversing Lamp
12/24 **V,** 55 **W,** 55 **W 1,** 70 **W 2,**
Dim. 140x90 mm,
Dist. mount. holes 45 mm,
Bulb type 1 H3, **Bulb type 2** H3,
Socket type 1 PK22s,
Socket type 2 PK22s, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **Bulb incl.** No,
Wiring system w/

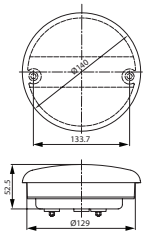
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

w/LED

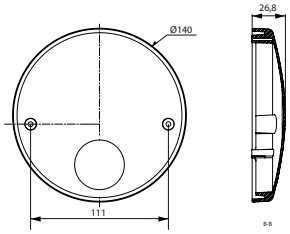


170909 LED Fog/Reverse Lamp
12/24 **V, Dim.** 140x88.3 mm,
OD 140 mm, **Dist. mount. holes** 45 mm,
Type LED, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round, **LEDs** w/,
Rear/fog lamp w/, **Tail light** w/,
E-approval Yes
Lens and o-ring: Cargo 170910.



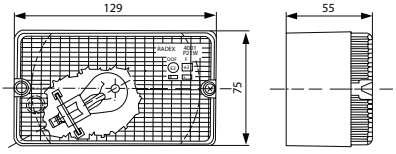
171684 LED Reversing Lamp
9-33 **V, Dim.** 140x52.5 mm,
Dist. mount. holes 45 mm,
Type Reversing lamp, **Colour** Clear,
Material Shockproof plastic,
Shape Circular, **Connection** Connection,
LEDs w/, **E-approval** Yes
Can be flush mounted by using Cargo 171266.

Spare Parts

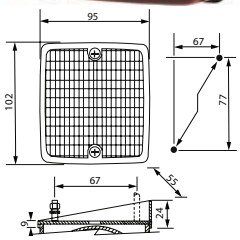


170910 Lens, Rear Lamp
Servicing: Cargo 170909
OD 140 mm, **Colour** White, **Shape** Round

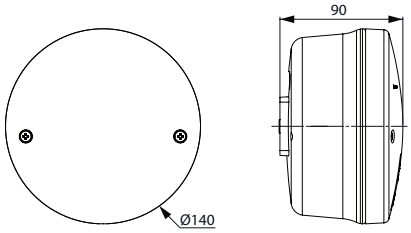
Rear Fog Lamps



170688 Rear Fog Lamp
21 **W, Dim.** 129x75x55 mm,
Dist. mount. holes 56 mm,
Socket type BA15S, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Bracket** Straight,
E-approval Yes



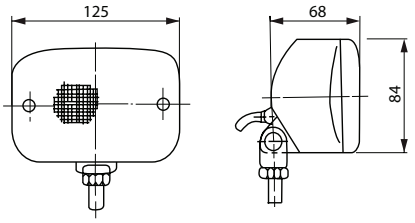
170928 Rear Fog Lamp
21 **W, Dim.** 102x95x55 mm,
Dist. mount. holes 77 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
E-approval Yes



170929 Rear Fog Lamp
21 **W, Dim.** 140x90 mm,
Dist. mount. holes 45 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
Rear/fog lamp w/, **Bulb incl.** No,
Wiring system w/, **E-approval** Yes

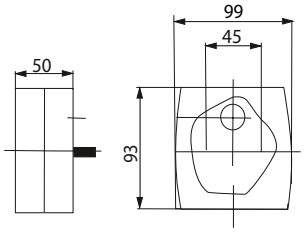
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

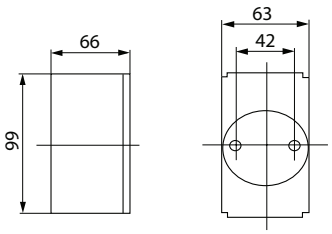


170930 Rear Fog Lamp
21 **W, Dim.** 125x84x68 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 1, **Connection** Connection,
Rear/fog lamp w/, **Bracket** Pendant,
E-approval Yes

Pkg. 2

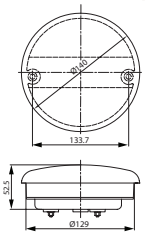


171219 Rear Fog Lamp
21 **W, Dim.** 93x99x50 mm,
Dist. mount. holes 45 mm,
Socket type BA15S, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Hexagon,
Connection Connection,
Rear/fog lamp w/, **E-approval** Yes



171220 Rear Fog Lamp
21 **W, Dim.** 63x99x66 mm,
Dist. mount. holes 42 mm,
Socket type BA15S,
Material Shockproof plastic,
Shape Rectangular, **Connection** Connection,
Sidemarker w/, **E-approval** Yes
w/ Grommet.

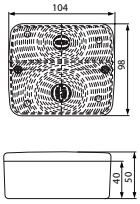
w/LED



171685 LED Rear Fog Lamp
9-33 **V, Dim.** 140x52.5 mm,
Dist. mount. holes 45 mm,
Type Rear fog lamp, **Colour** Red,
Material Shockproof plastic,
Shape Circular, **Connection** Connection,
LEDs w/, **Rear/fog lamp** w/
Can be flush mounted by using Cargo 171266.

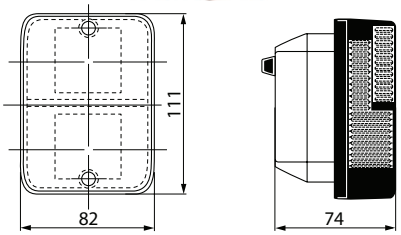
Multi Function Lamps

Trailer Lamps



170685 Multi Function Lamp
21 **W 1,** 21/5 **W 2, Dim.** 104x98x50 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
LEDs w/o, **Numberplate light** w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, RH/LH, **E-approval** Yes
Lens: Cargo 170687.

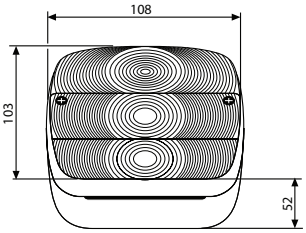
Pkg. 4



170846 Multi Function Lamp
10 **W 1,** 21/5 **W 2, Dim.** 111x82x74 mm,
Dist. mount. holes 57/87 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 4, **Connection** Connection,
Numberplate light w/o, **Flasher light** w/,
Tail light w/, **Stop light** w/, RH/LH,
E-approval Yes
Lens: Cargo 170847.

O.E.M. names and numbers are used for reference purposes only.

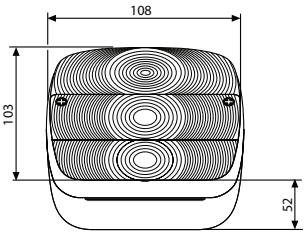
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



170939 Multi Function Lamp

Servicing: Cargo 170809, 170818, 170828, 170829, 170835, 171049

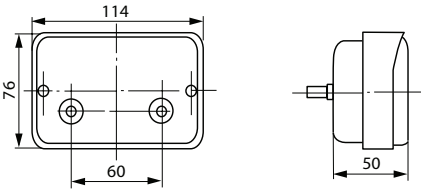
21 **W 1,** 21/5 **W 2,**
Dim. 108x103x52 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
LEDs w/o, **Numberplate light** w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, RH/LH, **E-approval** Yes
Lens: Cargo 170833.



170940 Multi Function Lamp

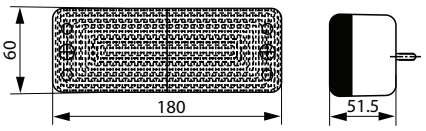
21 **W 1,** 21/5 **W 2,**
Dim. 108x103x52 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/o, RH/LH,
E-approval Yes
Lens: Cargo 170833.

Pkg. 2



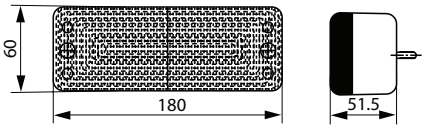
170943 Multi Function Lamp

21 **W 1,** 21/5 **W 2, Dim.** 114x76x50 mm,
Dist. mount. holes 58 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **LEDs** w/o,
Numberplate light w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No, RH/LH,
E-approval Yes
Lens: Cargo 170944.



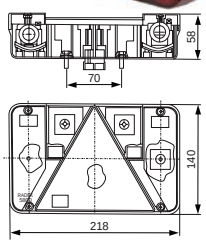
170985 Multi Function Lamp

10 **W 1,** 21/5 **W 2,**
Dim. 180x60x51.5 mm,
Dist. mount. holes 134 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No, RH/LH,
E-approval Yes
Lens: Cargo 170987.



170986 Multi Function Lamp

10 **W 1,** 21/5 **W 2,**
Dim. 180x60x51.5 mm,
Dist. mount. holes 134 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, RH/LH, **E-approval** Yes
Lens: Cargo 170987.

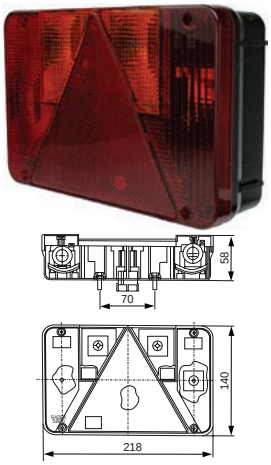


171013 Multi Function Lamp

21 **W 1,** 21/5 **W 2,**
Dim. 218x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171015. Right: Cargo 171014.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

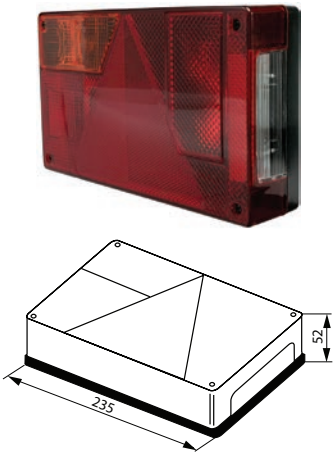
O.E.M. names and numbers are used for reference purposes only.



171014 Multi Function Lamp

21 **W 1,** 21/5 **W 2,**
Dim. 218x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, RH
Lens: Cargo 171016. Left: Cargo 171013.

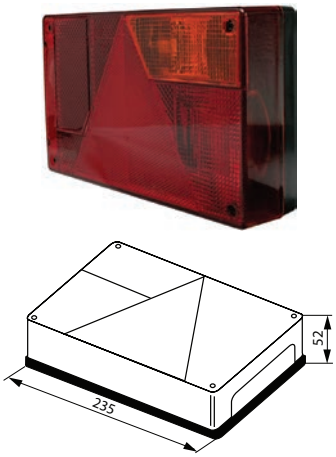
Pkg. 2



171050 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171057. Plug: Cargo 171372, 171373. Right: Cargo 171053.

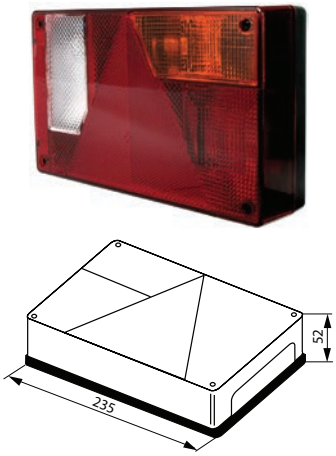
Pkg. 2



171051 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, RH,
E-approval Yes
Lens: Cargo 171056. Plug: Cargo 171372, 171373. Left: Cargo 171054.

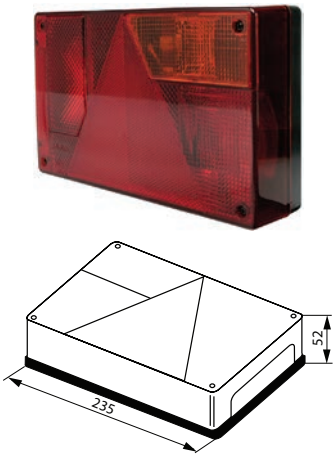
Pkg. 2



171052 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, RH, **E-approval** Yes
Lens: Cargo 171058. Supplied w/ Cargo 171372, 171373. Left: Cargo 171055.

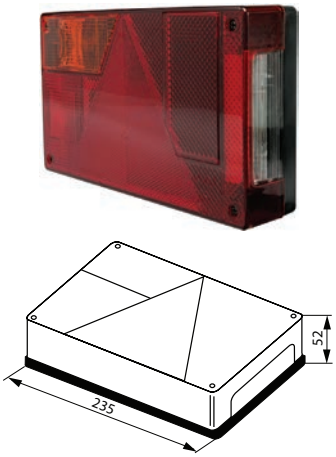
Pkg. 2



171053 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, RH
Lens: Cargo 171056. Left: Cargo 171050.

Pkg. 2



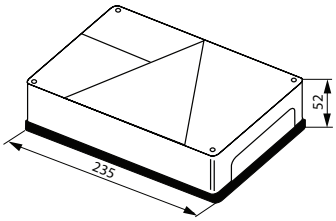
171054 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171057. Plug: Cargo 171372, 171373. Right: Cargo 171051.

O.E.M. names and numbers are used for reference purposes only.

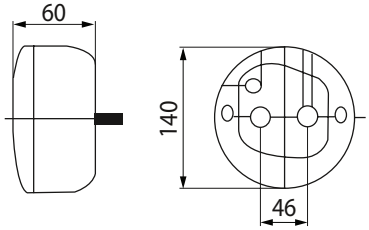
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 2

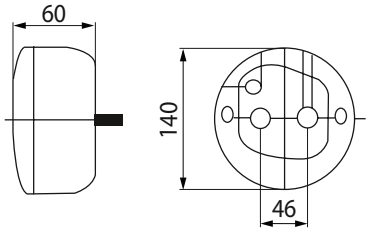


171055 Multi Function Lamp
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, LH, **E-approval** Yes
Lens: Cargo 171059. Plug: Cargo 171372, 171373. Right: Cargo 171052.

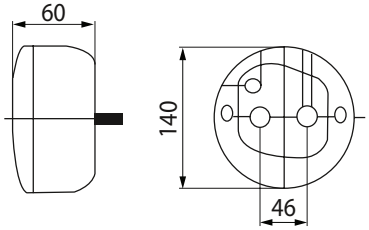
171191 Multi Function Lamp
21 **W 1,** 10 **W 2, Dim.** 120x119x61 mm,
Dist. mount. holes 45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, RH/LH, **E-approval** Yes
Lens: Cargo 171236.



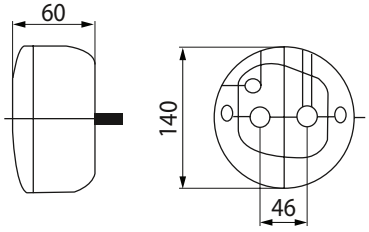
171192 Multi Function Lamp
Dim. 140x60 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No



171193 Multi Function Lamp
Dim. 140x60 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Screw, **LEDs** w/o,
Numberplate light w/o, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **E-approval** Yes
Mounting kit: Cargo 171266.



171194 Multi Function Lamp
21 **W 1,** 5 **W 2, Dim.** 140x60 mm,
OD 140 mm, **Dist. mount. holes** 45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/o
Lens: Cargo 171237.

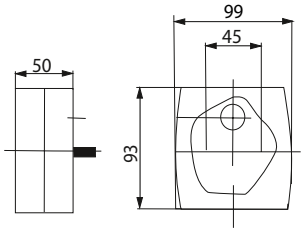


171195 Multi Function Lamp
Dim. 140x60 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Fixing screw 2, **Shape** Round,
Connection Connection,
Numberplate light w/o, **Bulb incl.** No
Mounting kit: Cargo 171266.

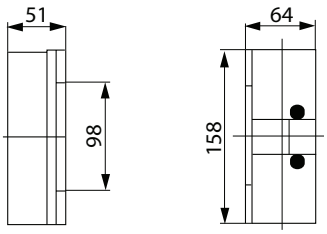
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

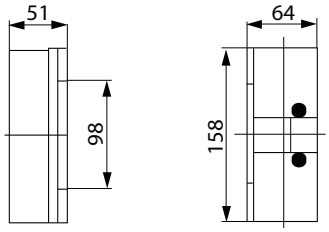
Pkg. 2



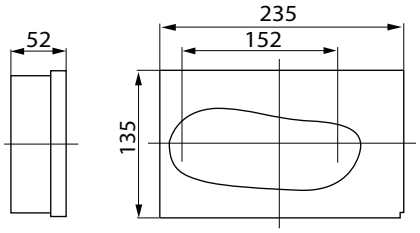
171202 Multi Function Lamp
21 **W 1,** 5 **W 2, Dim.** 93x99x50 mm,
Dist. mount. holes 45 mm,
Socket type 1 BA15S,
Socket type 2 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Hexagon,
Connection Connection, **LEDs** w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
E-approval Yes
Lens: Cargo 171253.



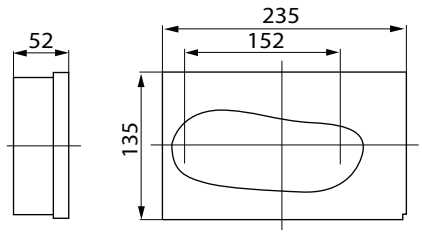
171203 Multi Function Lamp
Servicing: Right: Cargo 171204
21 **W 1,** 10 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 4, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, LH, **E-approval** Yes
Lens: Cargo 171258.



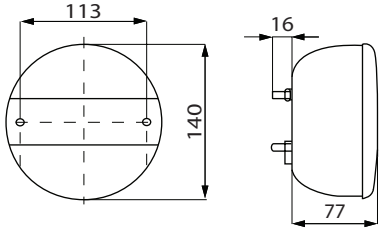
171204 Multi Function Lamp
Servicing: Left: Cargo 171203
10 **W 1,** 21 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material/dome Shockproof plastic,
Fixing screw 4, **Shape** Rectangular,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH
Lens: Cargo 171259.



171213 Multi Function Lamp
Servicing: Right: Cargo 171214
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/, LH,
E-approval Yes
Lens: Cargo 171264.



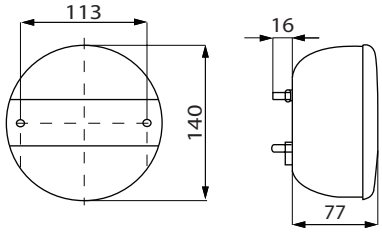
171214 Multi Function Lamp
Servicing: Left: Cargo 171213
21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 235x135x52 mm,
Dist. mount. holes 152 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, RH, **E-approval** Yes
Lens: Cargo 171265.



171328 Multi Function Lamp
21 **W 1,** 5 **W 2, Dim.** 140x77 mm,
OD 140 mm, **Dist. mount. holes** 45 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **LEDs** w/o,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. No, **Reflector** w/o,
E-approval Yes
Lens: Cargo 171330.

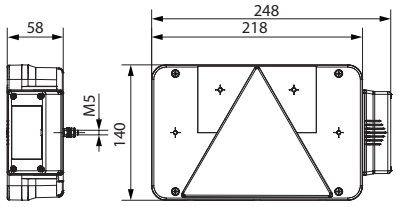
O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



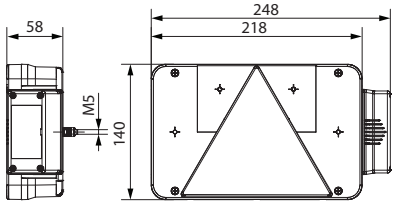
171329 Multi Function Lamp

Dim. 140x77 mm, **OD** 140 mm,
Dist. mount. holes 45 mm,
Socket type BA15S,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **LEDs** w/o,
Numberplate light w/o,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/o, **E-approval** Yes
Mounting kit: Cargo 171266. Lens: Cargo 171330.



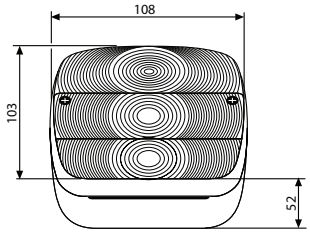
171533 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 248x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, LH
Lens: Cargo 171015. Plug: Cargo 171537, 171538. Right: Cargo 171534.



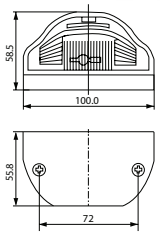
171534 Multi Function Lamp

21 **W 1,** 21/5 **W 2,** 5 **W 3,**
Dim. 248x140x58 mm,
Dist. mount. holes 70 mm,
Socket type 1 BA15S,
Socket type 2 BAY15d,
Socket type 3 S8.5,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
LEDs w/o, **Numberplate light** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No,
Reflector w/, RH
Lens: Cargo 171016. Plug: Cargo 171537, 171538. Left: Cargo 171533.



171822 Multi Function Lamp

Servicing: Cargo 171821
21 **W 1,** 21/5 **W 2,**
Socket type 1 BA15S,
Socket type 2 BAY15d,
Shape Square, **Connection** Multiplug,
Numberplate light w/o, **Sidemarker** w/,
Flasher light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 170833.



171823 Number Plate Lamp

5 **W, Dim.** 100x58.5x55.8 mm,
Dist. mount. holes 72 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Colour/glass Red, **Material** Plastic,
Fixing screw 2, **Connection** Screw,
Numberplate light w/, **Bulb incl.** No,
E-approval Yes

171917 Multi Function Lamp

5 **W 1,** 18 **W 2,** 18 **W 3,**
Dim. 115x54 mm, **OD** 115 mm,
Dist. mount. holes 45 mm,
Bulb type 1 10.5x36 mm,
Bulb type 2 15x41 mm,
Bulb type 3 15x41 mm,
Socket type 1 S8.5, **Socket type 2** S8.5,
Socket type 3 S8.5,
Colour/glass Red/yellow,
Material/dome PMMA, **Fixing screw** 2,
Shape Round, **Connection** Connection,
Flasher light w/, **Tail light** w/,
Stop light w/, **Bulb incl.** No, RH/LH

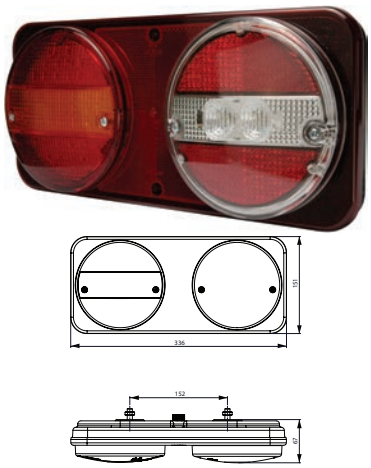
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

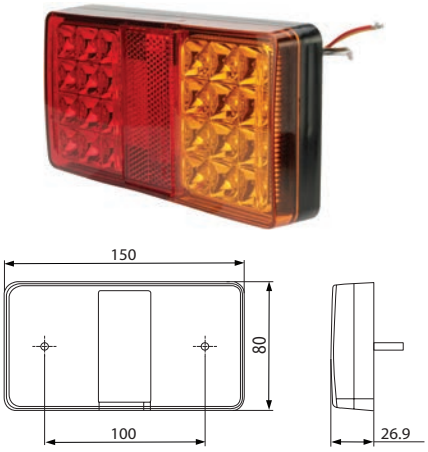
Trailer Lamps w/LED

171549 LED Multifunction Lamp
9-33 **V, Dim.** 140x52.5 mm,
Dist. mount. holes 45 mm, **Type** LED,
Colour Black, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Circular,
Connection Connection, **LEDs** w/,
Numberplate light w/o, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/o, **E-approval** Yes
Mounting kit: Cargo 171266.

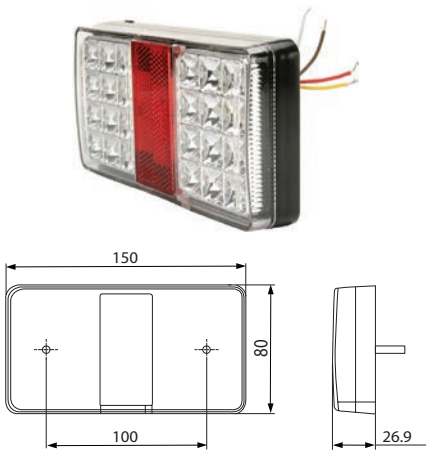
171665 LED Multifunction Lamp
12/24 **V, Dim.** 336x151x67 mm,
Dist. mount. holes 152 mm, **Type** LED,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, **LEDs** w/,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, LH, **E-approval** Yes
Right: Cargo 171666.



171666 LED Multifunction Lamp
12/24 **V, Dim.** 336x151x67 mm,
Dist. mount. holes 152 mm, **Type** LED,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH, **E-approval** Yes
Left: Cargo 171665.



171667 LED Multifunction Lamp
12/24 **V, Dim.** 150x80x26.9 mm,
Dist. mount. holes 100 mm, **Type** LED,
Material Plastic, **Shape** Rectangular,
Connection Connection, **LEDs** w/,
Flasher light w/, **Tail light** w/,
Stop light w/, **Reflector** w/,
E-approval Yes
White = ground. Brown = tail light. Red = stop. Yellow = indicator.

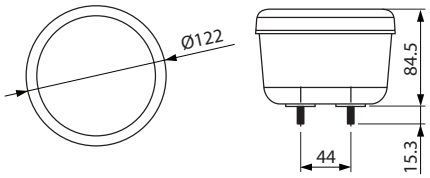


171668 LED Multifunction Lamp
12/24 **V, Dim.** 150x80x26.9 mm,
Dist. mount. holes 100 mm, **Type** LED,
Colour/glass Clear, **Material** Shockproof plastic, **Material/dome** Glass,
Shape Rectangular, **Connection** Cable,
LEDs w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, **E-approval** Yes
White = ground. Brown = tail light. Red = stop. Yellow = indicator.

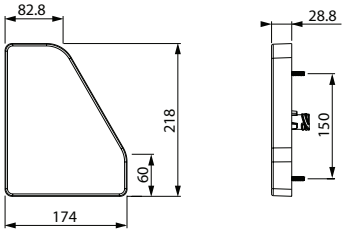
171725 LED Tail-Position Lamp
12/24 **V, Dim.** 122x84.5 mm,
OD 122 mm, **Dist. mount. holes** 44 mm,
Cable length 150 mm, **Type** LED,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Fixing screw 6, **Shape** Round,
Connection Cable, **LEDs** w/,
No./LEDs 44, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/o, **E-approval** Yes
Ring: amber, center: red.

O.E.M. names and numbers are used for reference purposes only.

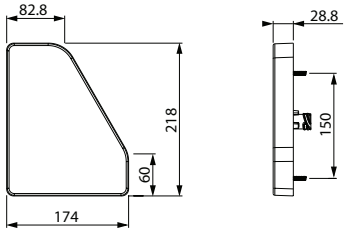
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



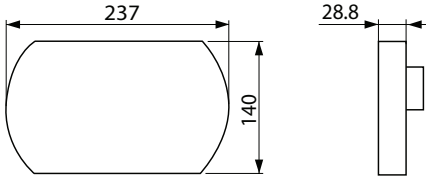
171726 LED Fog/Reverse Lamp
12/24 **V, Dim.** 122x84.5 mm,
OD 122 mm, **Dist. mount. holes** 44 mm,
Cable length 150 mm, **Type** LED,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Connection Cable, **LEDs** w/,
No./LEDs 38, **Numberplate light** w/o,
Rear/fog lamp w/, **Reverse light** w/,
Reflector w/o, **E-approval** Yes
Ring: clear, center: red.



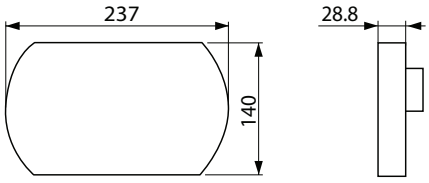
171756 LED Multifunction Lamp
12/24 **V, Dim.** 174x218x28.8 mm,
Dist. mount. holes 150 mm,
Type Tail/position lamp,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Shape Triangle, **Connection** Multiplug,
LEDs w/, **Rear/fog lamp** w/,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH, **Approvals** CE,
E-approval Yes
Multi-plug: Cargo 171788.



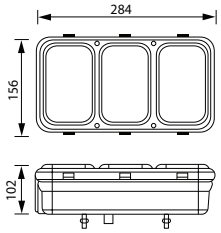
171757 LED Multifunction Lamp
12/24 **V, Dim.** 174x218x28.8 mm,
Dist. mount. holes 150 mm,
Type Tail/position lamp,
Material Shockproof plastic,
Material/dome Shockproof plastic,
Shape Triangle, **Connection** Multiplug,
LEDs w/, **Rear/fog lamp** w/,
Flasher light w/, **Reverse light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, LH, **Approvals** CE,
E-approval Yes
Multi-plug: Cargo 171788.



171758 LED Multifunction Lamp
12/24 **V, Dim.** 237x140x28.8 mm,
Dist. mount. holes 152 mm,
Mount. 2 screws, **Cable length** 2000 mm,
Type Tail lamp, **Material** Shockproof plastic,
Material/dome Shockproof plastic,
Shape Oval, **Connection** Cable, **LEDs** w/,
Numberplate light w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH,
E-approval Yes
White = ground. Red = stop. Black = tail.
Yellow = indicator. Brown = reverse.



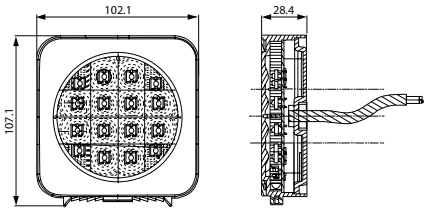
171759 LED Multifunction Lamp
12/24 **V, Dim.** 237x140x28.8 mm,
Dist. mount. holes 152 mm,
Mount. 2 screws, **Cable length** 2000 mm,
Type Tail lamp, **Material** Shockproof plastic,
Material/dome Shockproof plastic,
Shape Oval, **Connection** Cable,
LEDs w/, **Numberplate light** w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, LH, **E-approval** Yes
White = ground. Red = stop. Black = tail.
Yellow = indicator. Blue = fog.



171772 LED Multifunction Lamp
24 **V, Dim.** 284x156x102 mm,
Dist. mount. holes 130x78 mm,
Mount. 4 screws, **Type** Tail lamp,
Material Polypropylene,
Material/dome PMMA, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 3x16, **Numberplate light** w/o,
Rear/fog lamp w/o, **Flasher light** w/,
Reverse light w/o, **Tail light** w/,
Stop light w/, **Reflector** w/, RH/LH,
E-approval Yes
White=ground. Brown=tail. Yellow=flasher.
Red=stop.

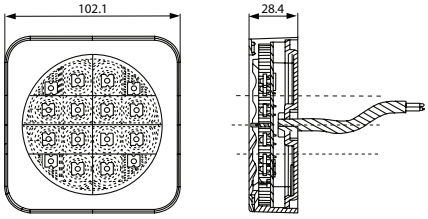
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.



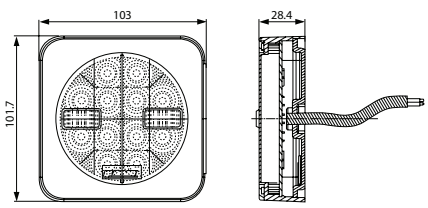
171789 LED multifunction lamp

12/24 **V, Dim.** 102.1x107.1x28.4 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Cable length** 500 mm,
Type Tail lamp, **Bulb type** LED,
Material Polycarbonat,
Material/dome Polycarbonat,
Shape Square, **Connection** Cable,
LEDs w/, **No./LEDs** 12,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH/LH,
Tightness norm IP 67, **E-approval** Yes
Vertical mount.



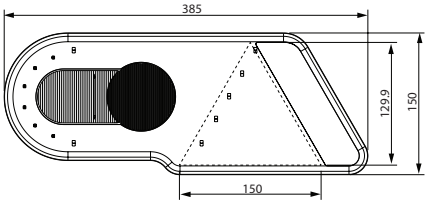
171790 LED multifunction lamp

12/24 **V, Dim.** 102.1x28.4 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Cable length** 500 mm,
Type Tail lamp, **Material** Polycarbonat,
Material/dome Polycarbonat,
Shape Square, **Connection** Cable,
LEDs w/, **No./LEDs** 12,
Flasher light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH/LH,
Tightness norm IP 67, **E-approval** Yes



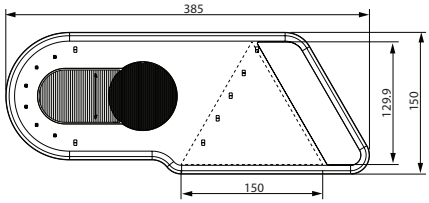
171791 LED multifunction lamp

12/24 **V, Dim.** 103x101.7x28.4 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Cable length** 500 mm,
Type Tail lamp, **Material** Polycarbonat,
Material/dome Polycarbonat,
Shape Square, **Connection** Cable,
LEDs w/, **No./LEDs** 12,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Reflector w/, RH/LH,
Tightness norm IP 67, **E-approval** Yes
Horizontal mount.



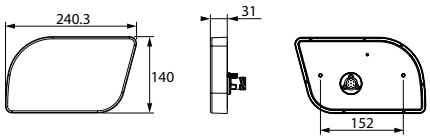
171927 LED Multifunction Lamp

12-24 **V, Dim.** 385x150x34.1 mm,
Dist. mount. holes 152.3 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Left: Cargo 171928.



171928 LED Multifunction Lamp

12-24 **V, Dim.** 385x150x34.1 mm,
Dist. mount. holes 152 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, LH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Right: Cargo 171927.

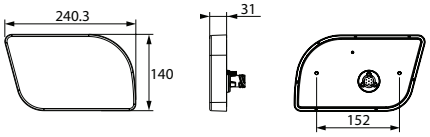


171929 LED Multifunction Lamp

12-24 **V, Dim.** 240.3x140x31 mm,
Dist. mount. holes 152 mm,
Type LED, **Shape** Rectangular,
Connection Connection,
Rear/fog lamp w/, **Flasher light** w/,
Reverse light w/, **Tail light** w/,
Stop light w/, **Reflector** w/, RH,
Tightness norm IP 67, **Approvals** CE,
E-approval Yes
Left: Cargo 171930.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.



171930 LED Multifunction Lamp
12-24 **V, Dim.** 240.3x140x31 mm, **Dist. mount. holes** 152 mm, **Type** LED, **Shape** Rectangular, **Connection** Connection, **Rear/fog lamp** w/, **Flasher light** w/, **Reverse light** w/, **Tail light** w/, **Stop light** w/, **Reflector** w/, LH, **Tightness norm** IP 67, **Approvals** CE, **E-approval** Yes
Right: Cargo 171929.

Accessories

Pkg. 12

160970 Load Resistor 12V
Length 50, **Width** 15
50 W, 6 Ohm, 2 A.

Pkg. 12

160971 Load Resistor 24V
Length 50, **Width** 15
24 V. 50 W. 24 Ohm. 1 A.

Trailer Lamps

Spare Parts

170687 Lens, Rear Lamp
Servicing: Cargo 170685
Dim. 104x98 mm, RH/LH

170833 Lens, Rear Lamp
Servicing: Cargo 170939, 170940
Dim. 108x103x52 mm, **Material** Shockproof plastic, **Flasher light** w/, **Tail light** w/, **Stop light** w/, **Reflector** w/o, RH/LH

170847 Lens, Rear Lamp
Servicing: Cargo 170846
Dim. 111x82 mm, **Material** Shockproof plastic, **Numberplate light** w/o, RH/LH

170944 Lens, Rear Lamp
Servicing: Cargo 170943
Dim. 120x80 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Numberplate light** w/o, **Reflector** w/o, RH/LH

170987 Lens, Rear Lamp
Servicing: Cargo 170985, 170986
Dim. 180x60 mm, **Material** Shockproof plastic, **Shape** Rectangular, RH/LH

171015 Lens, Rear Lamp
Servicing: Cargo 171013, 171533
Dim. 218x140 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, LH

171016 Lens, Rear Lamp
Servicing: Cargo 171534, 171014
Dim. 218x140 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, RH

171056 Lens, Rear Lamp
Servicing: Cargo 171051, 171053
Dim. 235x135x52 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Numberplate light** w/, **Reflector** w/, RH

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171057 Lens, Rear Lamp
Servicing: Cargo 171050, 171054
Dim. 235x135x52 mm,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/, **Reflector** w/, LH

171058 Lens, Rear Lamp
Servicing: Cargo 171052
Dim. 235x135 mm, **Material** Shockproof plastic, **Shape** Rectangular,
Numberplate light w/, **Reflector** w/, RH

171059 Lens, Rear Lamp
Servicing: Cargo 171055
Dim. 235x135 mm, **Material** Shockproof plastic, **Shape** Rectangular,
Numberplate light w/, **Reflector** w/, LH

Pkg. 2

171162 Lens, Rear Lamp
Servicing: Ford Transit 1986
Dim. 364x94 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, **E-approval** Yes

Pkg. 2

171236 Lens, Rear Lamp
Servicing: Cargo 171191
Dim. 122.5x122.5x53 mm, **Shape** Square, RH/LH

Pkg. 2

171237 Lens, Rear Lamp
Servicing: Cargo 171192, 171193, 171194, 171195
OD 140 mm, **Type** Tail lamp,
Material Plastic, **Shape** Circular,
Reflector w/o, RH/LH

Pkg. 6

171253 Lens, Rear Lamp
Servicing: Cargo 171202
Dim. 93x99 mm,
Dist. mount. holes 45 mm,
Material Shockproof plastic,
Shape Hexagon, **LEDs** w/o,
Bulb incl. No, **Reflector** w/o, RH/LH

Pkg. 3

171258 Lens, Rear Lamp
Servicing: Cargo 171203
Dim. 158x64 mm, **Material** Shockproof plastic, **Shape** Rectangular, **Reflector** w/, LH

Pkg. 3

171259 Lens, Rear Lamp
Servicing: Cargo 171204
Dim. 158x64 mm, **Shape** Rectangular, **Reflector** w/, RH

171264 Lens, Rear Lamp
Servicing: Cargo 171213
Dim. 235x135 mm, **Shape** Rectangular, **Numberplate light** w/, **Reflector** w/, LH

171265 Lens, Rear Lamp
Servicing: Cargo 171214
Dim. 235x135 mm, **Shape** Rectangular, **Numberplate light** w/, **Reflector** w/, RH

171330 Lens, Rear Lamp
Servicing: Cargo 171328, 171329
OD 140 mm, **Shape** Circular,
Reflector w/o, RH/LH

O.E.M. names and numbers are used for reference purposes only.

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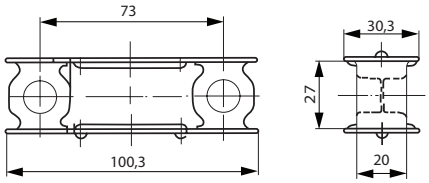
Available while stock last, * Program development.

Accessories

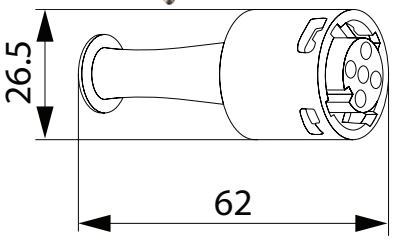
Pkg. 2



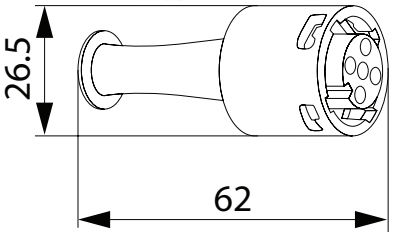
170604 Vibration Damper
Servicing: Cargo 170602, 171323
Gives a longer life to the bulbs.

Pkg. 4

171266 Repair Kit
Servicing: Cargo 171193, 171195, 171329, 171549, 171550
Circulars.



171372 Multi Connector
Servicing: Cargo 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821
Colour/glass Yellow, LH, **E-approval** Yes
Socket w/ quick connection.

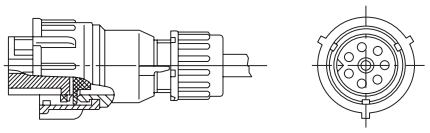


171373 Multi Connector
Servicing: Cargo 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821
Colour/glass Green, RH, **E-approval** Yes
Socket w/ quick connection.

171537 Multi Connector
Servicing: Cargo 171533, 171534
Colour Red, LH
Socket w/ quick connection.

171538 Multi Connector
Servicing: Cargo 171533, 171534
Colour Green, RH
Socket w/ quick connection.

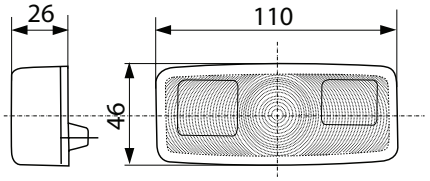
171788 Multiconnector 7 pin
Servicing: Cargo 171756, 171757
Type/terminal Round, **Colour** Black, **No./poles** 7, **Plug** Female
Gasket: Cargo 192178.



181627 Bayonet connector
Servicing: HC-CARGO 181617
12 **V, Cable dim.** 8x1.5-2.5 mm², **Mount.** Terminal, **Plug type** Bayonet, **Locking device** Bayonet, **Connection** Connection, **No./poles** 8, **DIN norm** 72580

Tail Lamps

Pkg. 2



170886 Tail Lamp
5 **W, Dim.** 110x46x26 mm, **Dist. mount. holes** 85 mm, **Socket type** T10, **Colour/glass** Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **Connection** Connection, **Reflector** w/, **E-approval** Yes

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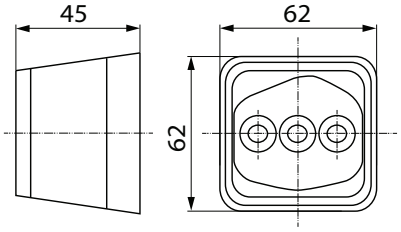
#Available while stock last, * Program development.

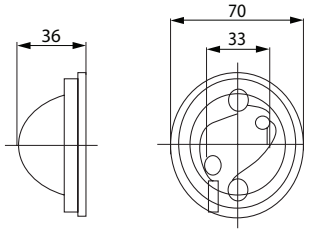
O.E.M. names and numbers are used for reference purposes only.

Pkg. 6



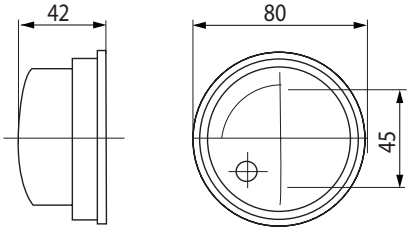
171173 Tail Lamp
5 **W, Dim.** 62x62x46 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour/glass** Red,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Sidemarker** w/,
E-approval Yes

Pkg. 8



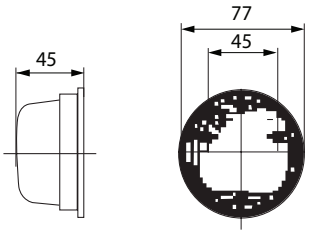
171178 Tail Lamp
5 **W, Dim.** 70x36 mm,
Dist. mount. holes 33 mm,
Socket type S8.5, **Colour/glass** Red,
Material Steel, **Fixing screw** 2,
Connection Screw, **E-approval** Yes

Pkg. 6

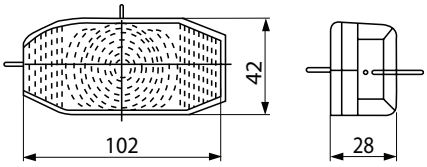


171181 Tail Lamp
5 **W, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** Red,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
Numberplate light w/o, **E-approval** Yes

Pkg. 6

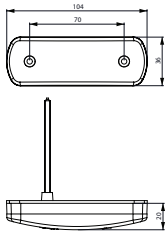


171197 Tail Lamp
5 **W, Dim.** 77x45 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** Red, **Material** Metal,
Fixing screw 2, **Shape** Circular,
Connection Connection,
Numberplate light w/



171331 Tail Lamp
5 **W, Dim.** 102x42x28 mm,
Dist. mount. holes 65 mm,
Socket type S8.5, **Colour/glass** Red,
Material Plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes

w/LED



171579 LED Tail Lamp
12 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 3, **Tail light** w/, **Reflector** w/,
E-approval Yes

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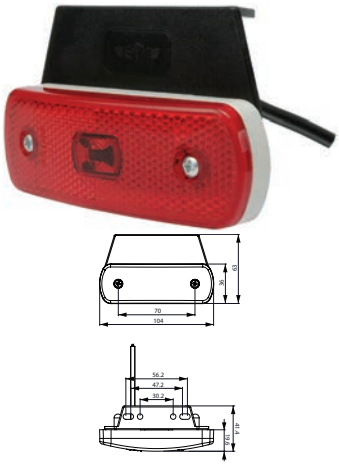
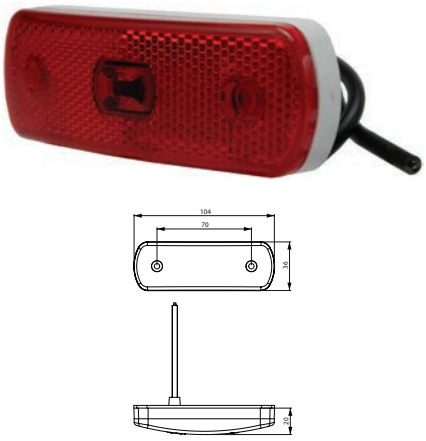
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

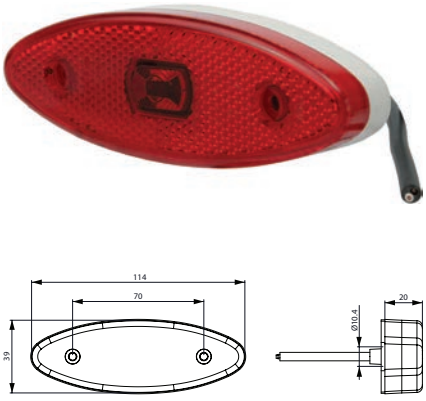


171580 LED Tail Lamp
12 **V, Dim.** 104x36x19.6 mm, **Dist. mount. holes** 52 mm, **Cable length** 500 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes



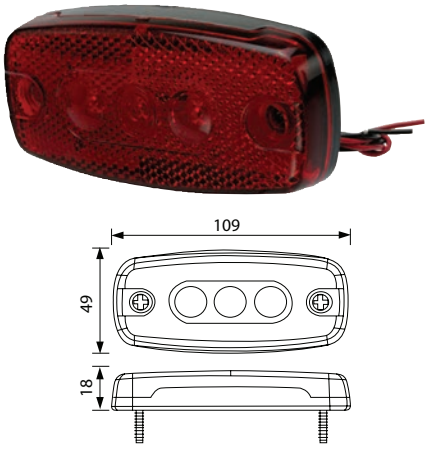
171599 LED Tail Lamp
24 **V, Dim.** 104x36x20 mm, **Dist. mount. holes** 70 mm, **Cable length** 500 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Reflector** w/, **E-approval** Yes

171600 LED Tail Lamp
24 **V, Dim.** 104x36x19.6 mm, **Dist. mount. holes** 52 mm, **Cable length** 500 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes



171605 LED Tail Lamp
24 **V, Dim.** 114x39x20 mm, **Dist. mount. holes** 70 mm, **Cable length** 500 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Oval, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Reflector** w/, **E-approval** Yes

171635 LED Tail Lamp
9-36 **V, Dim.** 131x40x34 mm, **Dist. mount. holes** 115 mm, **Type** LED, **Colour/glass** Red, **Material** PP/PMMA, **Shape** Oval, **Connection** Cable, **LEDs** w/, **No./LEDs** 3, **Numberplate light** w/o, **Tail light** w/, **Bulb incl.** Yes, **Reflector** w/o, **E-approval** Yes



171637 LED Tail Lamp
9-36 **V,** 0.9 **W, Dim.** 109x49x18 mm, **Dist. mount. holes** 83 mm, **Type** LED, **Colour/glass** Red, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Reflector** w/, **E-approval** Yes

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#Available while stock last, * Program development.

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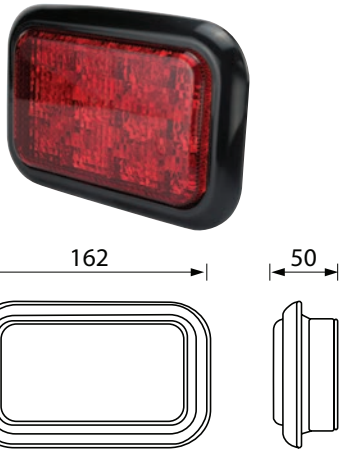
171719 LED Tail Lamp

12/24 **V, Dim.** 130x57x42.5 mm, **Dist. mount. holes** 50 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Numberplate light** w/o, **Tail light** w/, **Bracket** Angled, **Reflector** w/, **E-approval** Yes

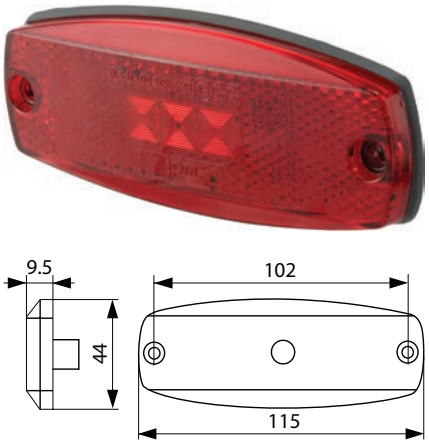
171720 LED Tail Lamp

12/24 **V, Dim.** 130x32x20.5 mm, **Dist. mount. holes** 50 mm, **Type** LED, **Colour/glass** Red, **Material** Shockproof plastic, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 1, **Numberplate light** w/o, **Tail light** w/, **Reflector** w/, **E-approval** Yes



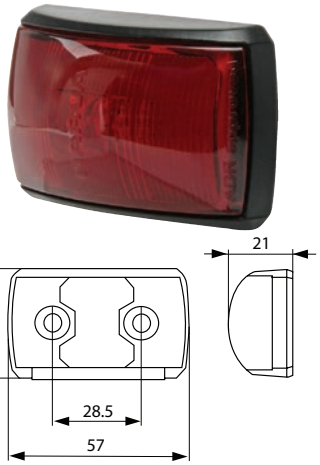
171771 LED Tail Lamp

24 **V,** 2.5 **W, Dim.** 162x113x50 mm, **Mount.** Plan installation, **Type** Tail lamp, **Colour/glass** Red, **Material** ABS plastic, **Material/dome** PMMA, **Shape** Rectangular, **Connection** Multiplug, **LEDs** w/, **No./LEDs** 16, **Numberplate light** w/o, **Tail light** w/, **Stop light** w/, **Reflector** w/o, RH/LH, **E-approval** Yes



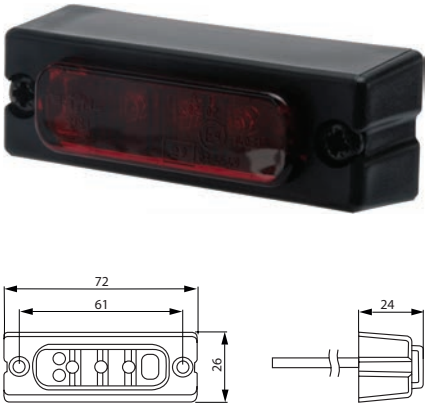
171840 LED Tail Lamp

12/24 **V,** 0.45-1.6 **W,** - **Dim.** 115x44x9.5 mm, **Dist. mount. holes** 102 mm, **Mount.** 2 screws, **Cable length** 5000 mm, **Type** LED, **Colour** White, **Colour/glass** Red, **Material** Polycarbonat, **Material/dome** Polycarbonat, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Reflector** w/, **Tightness norm** IP 67, **Approvals** SAE, **E-approval** Yes



171843 LED Tail Lamp

12/24 **V, Dim.** 57x35x21 mm, **Dist. mount. holes** 28 mm, **Mount.** 2 screws, **Cable length** 400 mm, **Type** LED, **Colour** Black, **Colour/glass** Red, **Fixing screw** 2, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 2, **Tail light** w/, **Tightness norm** IP 67, **E-approval** Yes



171861 LED Tail Lamp

12/24 **V,** 0.3-0.6 **W, Dim.** 72x26x24 mm, **Cable length** 5000 mm, **Type** LED, **Colour** Black, **Colour/glass** Red, **Material** PP, **Material/dome** PMMA, **Fixing screw** 2, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Tail light** w/, **Approvals** CE, **E-approval** Yes

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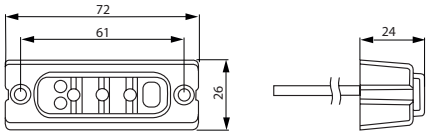
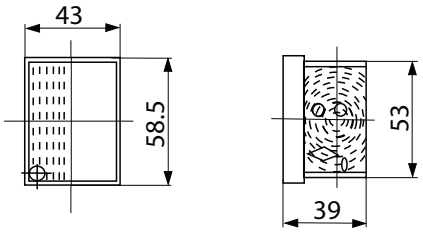
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

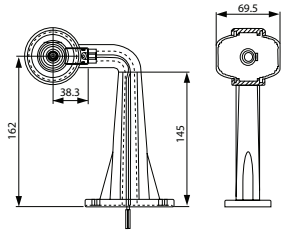


171867 LED Tail Lamp
12/24 **V,** 0.3-0.6 **W,**
Cable length 5000 mm, **Type** LED,
Colour Black, **Colour/glass** Red,
Material PP, **Material/dome** PMMA,
Fixing screw 2, **Shape** Rectangular,
LEDs w/, **No./LEDs** 3, **Tail light** w/,
Bracket Adjustable, **Approvals** CE,
E-approval Yes

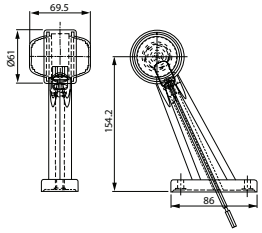
Tail Position Lamps



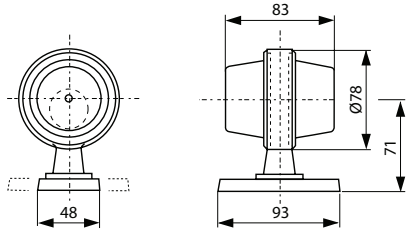
170552 Tail/Position Lamp
5 **W, Dim.** 58.5x43x39 mm,
Dist. mount. holes 25 mm,
Socket type S8.5, **Colour/glass** Red/white,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes



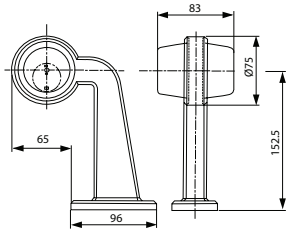
170632 Tail/Position Lamp
10 **W, Dim.** 162x69.5 mm, **OD** 45 mm,
Socket type BA15S, **Colour/glass** Red/white,
Sidemarker w/, **Tail light** w/,
E-approval Yes
Lens: Cargo 170635, 170636.



170633 Tail/Position Lamp
10 **W, Dim.** 154.2x69.5 mm,
OD 45 mm, **Dist. mount. holes** 75 mm,
Socket type BA15S,
Colour/glass Red/white,
Connection Cable, **LEDs** w/o,
Sidemarker w/, **Tail light** w/,
Bulb incl. No, **E-approval** Yes
Lens: Cargo 170635, 170636.



170640 Tail/Position Lamp
5 **W, Dim.** 110x78x93 mm,
OD 60 mm, **Dist. mount. holes** 75 mm,
Socket type BA15S, **Colour/glass** Red/white,
Shape Round, **Sidemarker** w/,
Tail light w/, **E-approval** Yes
Lens: Cargo 170642, 170641. Bulb holder: Cargo 170671.



170668 Tail/Position Lamp
5 **W, Dim.** 152.5x83 mm, **OD** 60 mm,
Socket type BA15S, **Colour/glass** Red/white,
Sidemarker w/, **Tail light** w/,
Bulb incl. No, **E-approval** Yes
Lens: Cargo 170642, 170641. Bulb holder: Cargo 170671. Bulbs: Cargo 170773.

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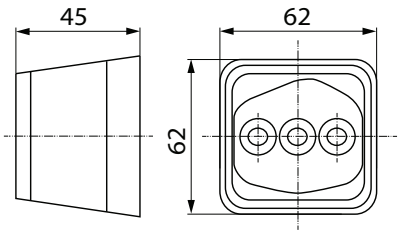
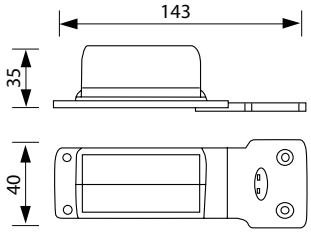
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

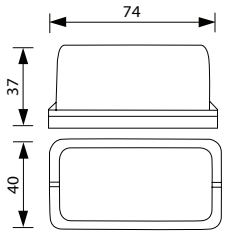
Pkg. 6



171196 Tail/Position Lamp
5 **W, Dim.** 62x62x45 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour/glass** Red/white,
Material Shockproof plastic,
Fixing screw 2, **Shape** Square,
Connection Connection, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes



171627 Tail/Position Lamp
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 143x40x35 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Material** Plastic,
Shape Rectangular, **Connection** Screw,
LEDs w/o, **Sidemarker** w/, **Tail light** w/,
Bulb incl. No, **Reflector** w/o,
Approvals ADR, **E-approval** Yes



171706 Tail/Position Lamp
Servicing: Cargo 171627
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 74x40x37 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Shape** Rectangular,
Connection Screw, **LEDs** w/o,
Sidemarker w/, **Tail light** w/,
Bulb incl. No, **Approvals** ADR,
E-approval Yes

Spare Parts

Pkg. 5

170635 Lens
Servicing: Cargo 170632, 170633
Colour/glass White, **Material** Glass,
Shape Round

Pkg. 5

170636 Lens
Servicing: Cargo 170632, 170633
Colour/glass Red, **Material** Glass,
Shape Round

Pkg. 4

170641 Lens
Servicing: Cargo 170640, 170668
Colour/glass Red, **Material** Glass, **Shape** Round

Pkg. 4

170642 Lens
Servicing: Cargo 170640, 170668
Colour/glass White, **Material** Glass

Pkg. 5

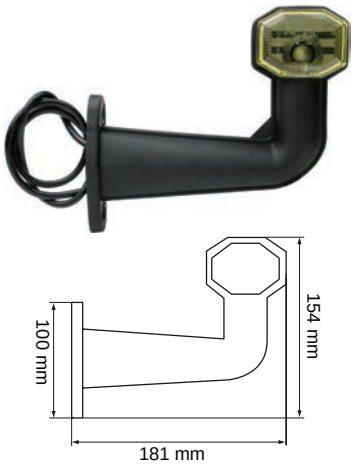
170671 Bulb Holder
Servicing: Cargo 170640, 170668, 170713

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

w/LED

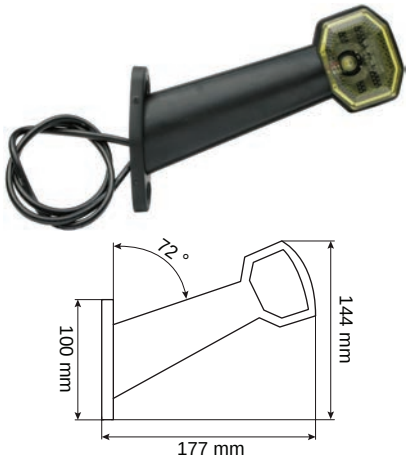
Pkg. 2



171528 LED Tail-Position Lamp

24 **V, Dim.** 181x154x48 mm,
Dist. mount. holes 73 mm, **Mount.** 2 screws,
Cable length 700 mm, **Type** LED,
Colour/glass Red/white, **Material** Rubber,
Material/dome Shockproof plastic,
Fixing screw 6, **Connection** Cable,
LEDs w/, **No./LEDs** 2x1, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes
Flange 100x41 mm.

Pkg. 2



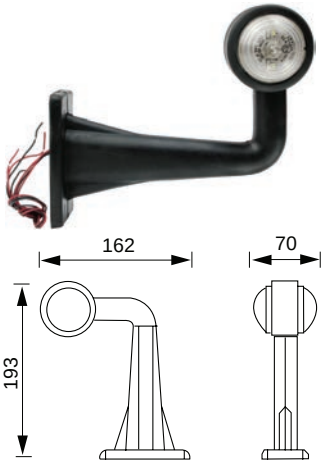
171529 LED Tail-Position Lamp

24 **V, Dim.** 177x144x48 mm,
Dist. mount. holes 73 mm,
Mount. 2 screws, **Cable length** 700 mm,
Type LED, **Colour/glass** Red/white,
Material Rubber,
Material/dome Shockproof plastic,
Fixing screw 6, **Connection** Cable,
LEDs w/, **No./LEDs** 2x1, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes
Flange 100x41 mm.

Pkg. 2

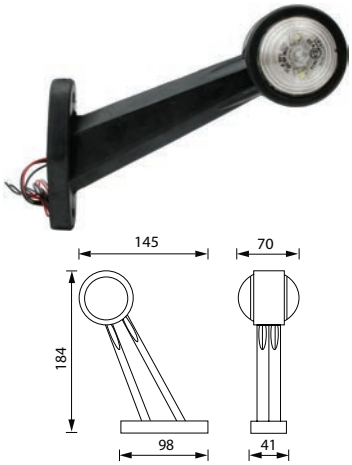
171530 LED Tail-Position Lamp

24 **V, Dim.** 115x65x48 mm,
Dist. mount. holes 73 mm,
Mount. 2 screws, **Cable length** 700 mm,
Type LED, **Colour/glass** Red/white,
Material Rubber,
Material/dome Shockproof plastic,
Fixing screw 6, **Connection** Cable,
LEDs w/, **No./LEDs** 2x1, **Sidemarker** w/,
Tail light w/, RH/LH, **E-approval** Yes



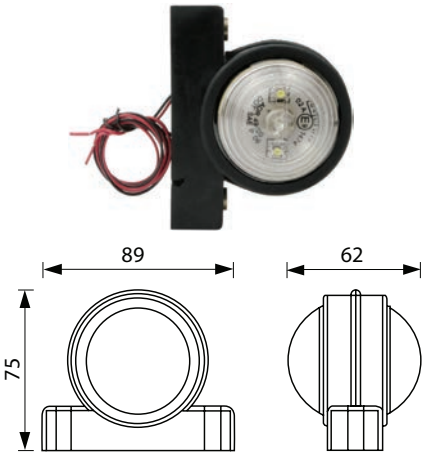
171591 LED Tail-Position Lamp

9-36 **V, Dim.** 193x163x70 mm,
OD 45 mm, **Dist. mount. holes** 78 mm,
Type LED, **Colour/glass** Red/white,
Connection Cable, **LEDs** w/,
No./LEDs 2x3, **Sidemarker** w/,
Tail light w/, RH/LH, **Approvals** ADR/SAE,
E-approval Yes



171592 LED Tail-Position Lamp

9-36 **V, Dim.** 184x145x70 mm,
OD 45 mm, **Dist. mount. holes** 78 mm,
Type LED, **Colour/glass** Red/white,
Connection Cable, **LEDs** w/,
No./LEDs 2x3, **Sidemarker** w/,
Tail light w/, RH/LH, **Approvals** SAE,
E-approval Yes

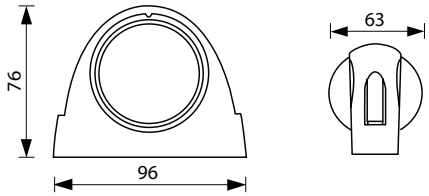


171593 LED Tail-Position Lamp

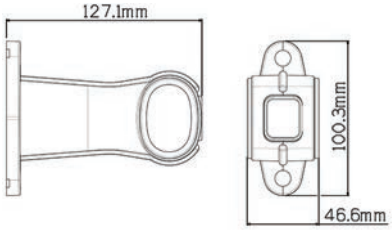
9-36 **V, Dim.** 75x89x62 mm, **OD** 45 mm,
Dist. mount. holes 78 mm, **Type** LED,
Colour/glass Red/white, **Material** Rubber,
Connection Cable, **LEDs** w/,
No./LEDs 2x3, **Sidemarker** w/,
Tail light w/, **Reflector** w/o, RH/LH,
Approvals ADR/SAE, **E-approval** Yes

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

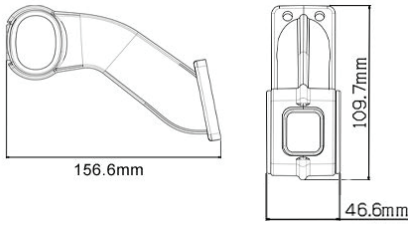
O.E.M. names and numbers are used for reference purposes only.



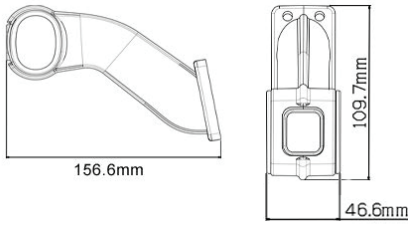
171617 LED Tail-Position Lamp
9-36 **V, Dim.** 96x76x63 mm, **OD** 76 mm, **Dist. mount. holes** 78 mm, **Type** LED, **Colour/glass** Red/white, **Material** Synthetic rubber, **Connection** Cable, **LEDs** w/, **No./LEDs** 2x3, **Sidemarker** w/, **Tail light** w/, **Reflector** w/o, RH/LH, **Approvals** ADR/SAE, **E-approval** Yes



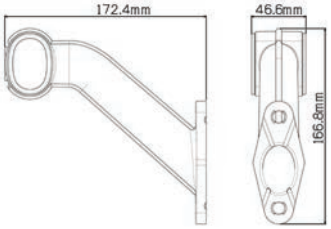
171730 LED Tail/Position/Side Marker
12/24 **V, Dim.** 127x61x47 mm, **Dist. mount. holes** 78 mm, **Mount.** 2 screws, **Cable length** 500 mm, **Type** LED, **Connection** Cable, **LEDs** w/, **No./LEDs** 7, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, RH/LH, **Tightness norm** IP 67, **E-approval** Yes
w/ 128 mm rubber arm.



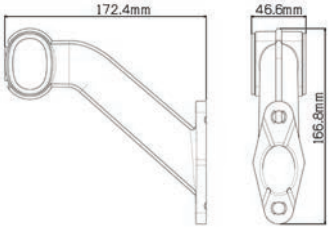
171731 LED Tail/Position/Side Marker
12/24 **V, Dist. mount. holes** 52 mm, **Mount.** 4 holes, **Cable length** 450 mm, **Type** LED, **Colour** Black, **Material** Rubber, **Connection** Cable, **LEDs** w/, **No./LEDs** 9, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, RH, **E-approval** Yes
w/ 145 mm rubber arm.



171732 LED Tail/Position/Side Marker
12/24 **V, Dim.** 145x131x47 mm, **Dist. mount. holes** 52 mm, **Mount.** 4 holes, **Cable length** 450 mm, **Type** LED, **Colour** Black, **Material** Rubber, **Connection** Cable, **LEDs** w/, **No./LEDs** 9, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, LH, **E-approval** Yes



171733 LED Tail/Position/Side Marker
12/24 **V, Dim.** 173x167x47 mm, **Dist. mount. holes** 78 mm, **Mount.** 2 screws, **Cable length** 500 mm, **Type** LED, **Connection** Cable, **LEDs** w/, **No./LEDs** 7, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, RH



171734 LED Tail/Position/Side Marker
12/24 **V, Dim.** 173x167x47 mm, **Dist. mount. holes** 78 mm, **Mount.** 2 screws, **Cable length** 500 mm, **Type** LED, **Connection** Cable, **LEDs** w/, **No./LEDs** 7, **Sidemarker** w/, **Sidemarker lamp** w/, **Tail light** w/, LH

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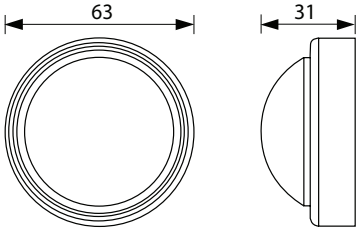
Available while stock last, * Program development.



171743 LED Tail Lamp
9-36 **V, Dim.** 63x31 mm, **OD** 63 mm,
Dist. mount. holes 30 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Colour** Black,
Colour/glass Red, **Material** PVC,
Material/dome PMMA, **Connection** Cable,
LEDs w/, **No./LEDs** 3, **Tail light** w/,
Reflector w/o, **Approvals** ADR/SAE,
E-approval Yes

Side Indicators

170713 Flasher Lamp
5 **W, Dim.** 108x84x93 mm, **OD** 60 mm,
Socket type BA15S, **Colour/glass** Orange,
E-approval Yes
Lens: Cargo 170670, 170671.

171140 Flasher Lamp
Servicing: Fiat, Ford, Lada, Universal
4 **W, OD** 41 mm,
Dist. mount. holes 28 mm,
Socket type BA9s, **Colour/glass** Orange,
Connection Multiplug, **E-approval** Yes

Pkg. 10

171141 Flasher Lamp
Servicing: Fiat 127, 129
Colour/glass Orange, **E-approval** Yes

171143 Flasher Lamp
Servicing: Fiat Uno 89
Colour/glass Orange, **E-approval** Yes

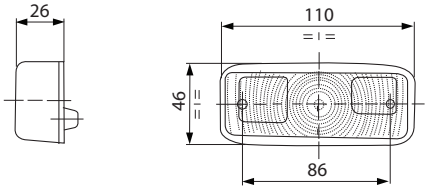
171144 Flasher Lamp
Servicing: Fiat Tipo 86
Colour/glass Orange, **E-approval** Yes

Pkg. 2

171147 Flasher Lamp
Servicing: Ford, Universal
Colour/glass Orange, **E-approval** Yes

Pkg. 2

171148 Flasher Lamp
Servicing: Universal, Ford, Rover Group
Socket type 1 BA9s, **Colour/glass** Orange,
E-approval Yes



171153 Flasher Lamp
Servicing: Audi, VW, various types 84
12 **V,** 5 **W, OD** 58x33x9 mm,
Mount. Sidemounted,
Width/adjustable w/o,
Type Flasher lamp, **Colour** Orange,
Colour/glass Orange, **Solenoid** w/o,
Material Plastic,
Material/dome Plastic, **Shape** Flat,
Connection Connection,
No./lamps 1, **Numberplate light** w/o,
Rear/fog lamp w/o, **Sidemarker** w/o,
Sidemarker lamp w/o, **Flasher light** w/,
Reverse light w/o, **Tail light** w/o,
Stop light w/o,
Asymmetric light w/o,
Numberplate holder w/o, **Bulb incl.** No,
Protective cover w/o, **Reflector** w/o,
Grill w/o, **Wiring system** w/o,
Straps incl. No, **Switch** w/o, RH/LH,
E-approval Yes

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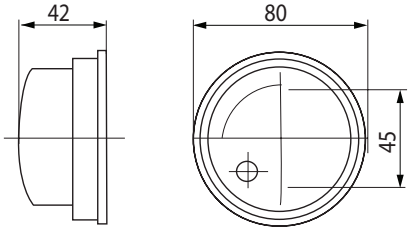
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 6



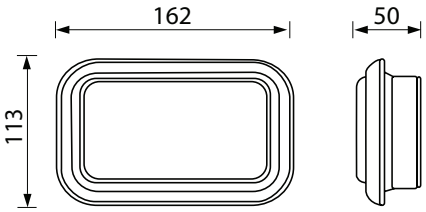
171183 Flasher Lamp
5 **W, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** Orange,
Material Shockproof plastic,
Fixing screw 2, **Connection** Connection,
E-approval Yes
Lens: Cargo 171247.

Pkg. 2

171337 Flasher Lamp
10 **W, Dim.** 95x73x45+38 mm,
Dist. mount. holes 48 mm,
Socket type BA15S, **Colour** Black,
Colour/glass Orange, **Material** Plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **E-approval** Yes

171339 Flasher Lamp
21 **W, Dim.** 84x84x51 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Socket type** BA15S,
Colour/glass Orange, **Material** Plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **E-approval** Yes
Lens: Cargo 171340.

w/LED



171770 LED Flasher Lamp
24 **V,** 4 **W, Dim.** 162x113x50 mm,
Mount. Plan installation,
Type Flasher lamp, **Colour/glass** Orange,
Material ABS plastic,
Material/dome PMMA, **Shape** Rectangular,
Connection Multiplug, **LEDs** w/,
No./LEDs 16, **Flasher light** w/, RH/LH,
E-approval Yes

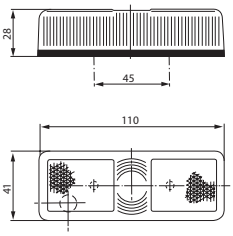
Spare Parts

Pkg. 4

170670 Lens
Servicing: Cargo 170713
Colour/glass Orange, **Material** Glass

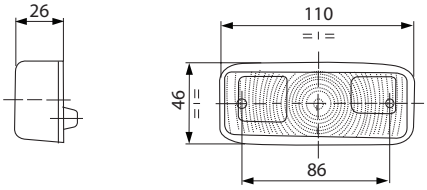
Side Marker Lamps

Pkg. 2



170880 Side Marker Lamp
5 **W, Dim.** 110x41x28 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular,
Connection Connection, **Reflector** w/,
E-approval Yes
Lens: Cargo 170975.

Pkg. 2



170884 Side Marker Lamp
5 **W, Dim.** 110x46x26 mm,
Dist. mount. holes 85 mm,
Socket type T10, **Colour/glass** Orange,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Reflector** w/,
E-approval Yes
Lens: Cargo 170946.

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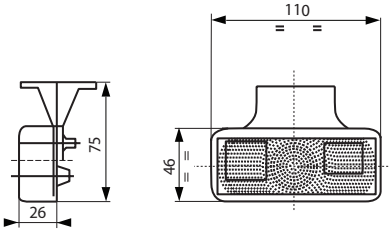
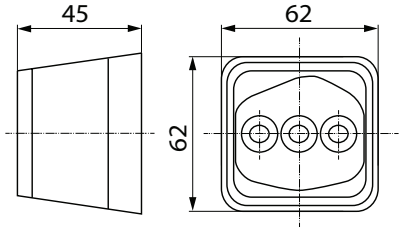
Available while stock last, * Program development.



170885 Side Marker Lamp

5 **W, Dim.** 110x46x26 mm,
Dist. mount. holes 20/50 mm,
Socket type T10, **Colour/glass** Orange,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, **Bracket** Angled,
Reflector w/, **E-approval** Yes
Lens: Cargo 170946.

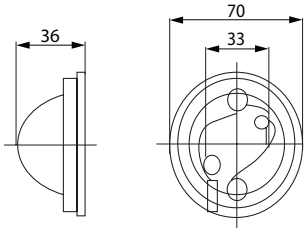
Pkg. 6



171175 Side Marker Lamp

5 **W, Dim.** 62x62x45 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Connection, **Reflector** w/,
E-approval Yes
Lens: Cargo 171243.

Pkg. 8

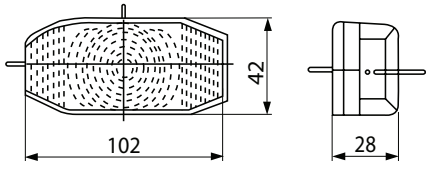


171180 Side Marker Lamp

5 **W, Dim.** 70x36 mm,
Dist. mount. holes 33 mm,
Mount. 2 screws, **Type** Side marker lamp,
Socket type S8.5, **Colour/glass** Orange,
Material Steel, **Fixing screw** 2,
Connection Screw, **E-approval** Yes

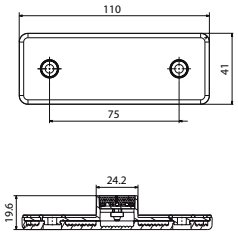
171343 Side Marker Lamp

5 **W, Dim.** 74x45x22.5 mm,
Dist. mount. holes 52 mm,
Mount. 2 screws, **Socket type** S8.5,
Colour Black, **Colour/glass** Orange,
Material Plastic, **Fixing screw** 2,
Shape Rectangular,
Connection Connection, **E-approval** Yes



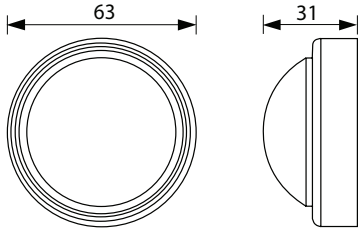
171369 Side Marker Lamp

5 **W, Dim.** 102x42x28 mm,
Dist. mount. holes 65 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Orange, **Material** Plastic,
Fixing screw 2, **Connection** Connection,
E-approval Yes



171736 LED Side Marker Lamp

24 **V, Dim.** 110x41x19.6 mm,
Dist. mount. holes 75 mm,
Cable length 20 mm, **Type** LED,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/



171742 LED Side Marker Lamp

12/24 **V, Dim.** 63x31 mm, **OD** 63 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Colour** Black,
Colour/glass Orange, **Material** PVC,
Material/dome PMMA, **Connection** Cable,
LEDs w/, **No./LEDs** 3,
Sidemarker lamp w/, **Reflector** w/o,
Approvals ADR/SAE, **E-approval** Yes

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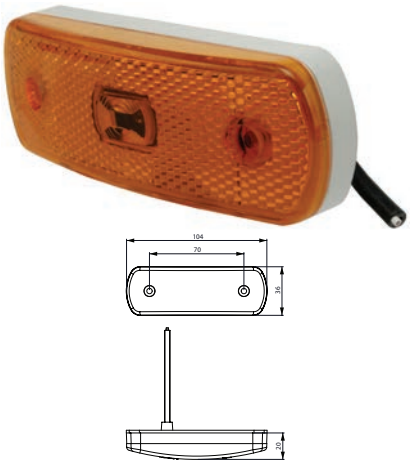
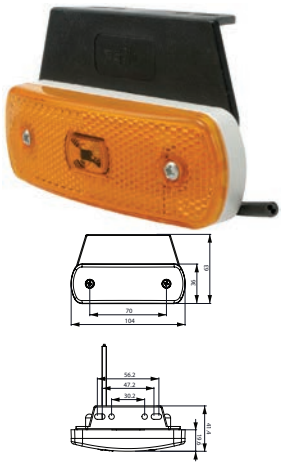
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

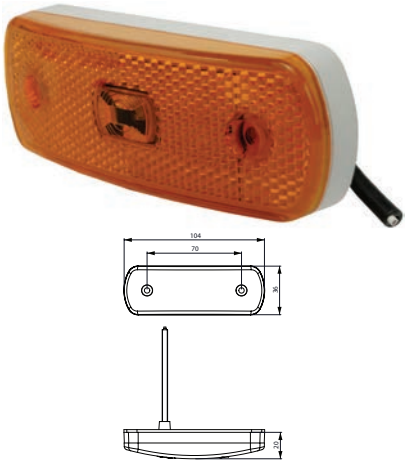
w/LED



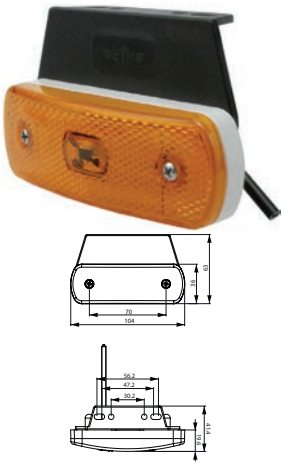
171581 LED Side Marker Lamp
12 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



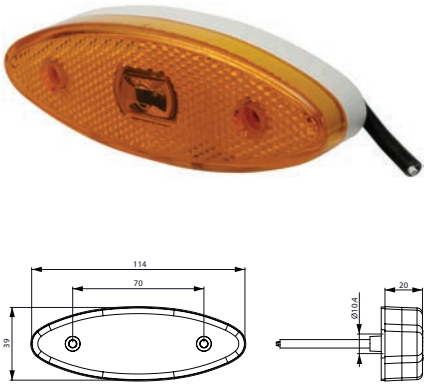
171582 LED Side Marker Lamp
12 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



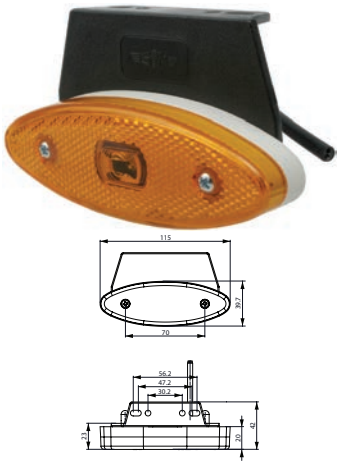
171601 LED Side Marker Lamp
24 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Reflector w/, **E-approval** Yes



171602 LED Side Marker Lamp
24 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



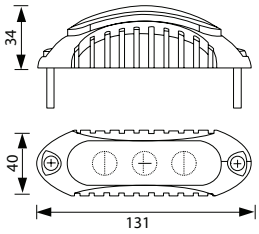
171607 LED Side Marker Lamp
24 **V, Dim.** 114x39x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Reflector w/, **E-approval** Yes



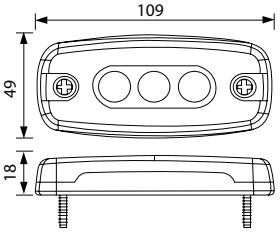
171608 LED Side Marker Lamp
24 **V, Dim.** 115x39.7x20 mm,
Dist. mount. holes 52 mm, **Type** LED,
Colour/glass Orange, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Oval, **LEDs** w/, **No./LEDs** 1,
Sidemarker lamp w/, **Bracket** Angled,
Reflector w/, **E-approval** Yes

O.E.M. names and numbers are used for reference purposes only.

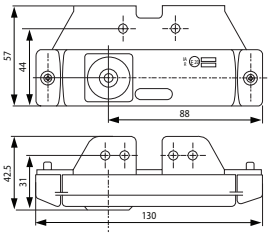
All measurements are in mm, unless else stated.
Available while stock last, * Program development.



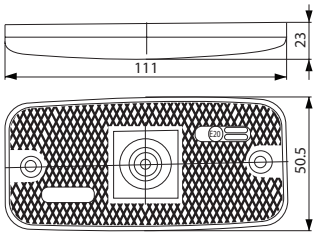
171618 LED Side Marker Lamp
9-36 **V, Dim.** 131x40x34 mm,
Dist. mount. holes 115 mm,
Mount. Screw fastening,
Cable length 28 mm, **Type** LED,
Colour Yellow, **Colour/glass** Orange,
Material PP/PMMA,
Material/dome ABS plastic,
Fixing screw 2, **Connection** Cable,
No./lamps 1, **LEDs** w/, **No./LEDs** 3,
Sidemarker lamp w/, **Wiring system** w/,
Switch w/o, **E-approval** Yes



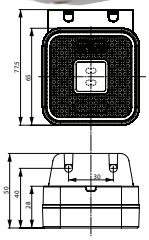
171636 LED Side Marker Lamp
9-36 **V,** 0.9 **W, Dim.** 109x49x18 mm,
Dist. mount. holes 83 mm, **Type** LED,
Colour/glass Orange, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 3, **Sidemarker lamp** w/,
Reflector w/, **E-approval** Yes



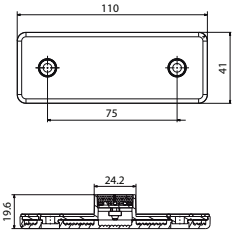
171721 LED Side Marker Lamp
12/24 **V, Dim.** 130x57x42.5 mm,
Dist. mount. holes 50 mm, **Type** LED,
Socket type LED, **Material** Shockproof plastic, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171722 LED Side Marker Lamp
12/24 **V, Dim.** 111x50.5x23 mm,
Dist. mount. holes 116 mm,
Mount. Flat w/ 2 fixing holes, **Type** LED,
Socket type LED, **Colour/glass** Orange,
Material Shockproof plastic,
Fixing screw 5, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker lamp** w/,
Reflector w/, **E-approval** Yes



171729 LED Side Marker Lamp
Servicing: MAN
12/24 **V,** 1 **W, Dim.** 65x65x28 mm,
Dist. mount. holes 30 mm, **Type** LED,
Colour/glass Orange, **Material** ABS plastic,
Material/dome PMMA, **Shape** Square,
Connection Cable, **LEDs** w/,
No./LEDs 2, **Sidemarker lamp** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes

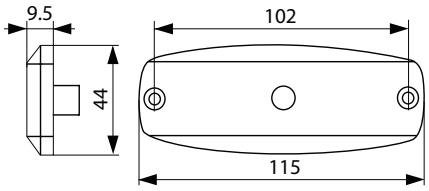


171735 LED Side Marker Lamp
12 **V, Dim.** 110x41x19.6 mm,
Dist. mount. holes 75 mm,
Cable length 200 mm, **Type** LED,
Shape Rectangular, **Connection** Cable,
LEDs w/, **No./LEDs** 1,
Sidemarker lamp w/

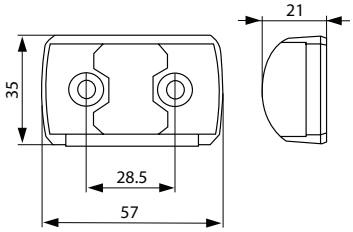
171835 LED Adapter
Servicing: Cargo 171836, 193119
Connection Multiplug
Cargo 171835 is the LED version of Cargo 170763.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

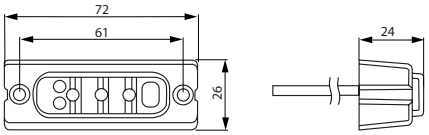
O.E.M. names and numbers are used for reference purposes only.



171839 LED Side Marker Lamp
12/24 **V,** 0.45-1.6 **W,** -
Dim. 115x44x9.5 mm,
Dist. mount. holes 102 mm,
Mount. 2 screws, **Cable length** 5000 mm,
Type LED, **Colour** White,
Colour/glass Orange, **Material** Polycarbonat,
Material/dome Polycarbonat,
Shape Rectangular, **Connection** Cable,
LEDs w/, **No./LEDs** 3,
Sidemarker lamp w/, **Reflector** w/,
Tightness norm IP 67, **Approvals** SAE,
E-approval Yes



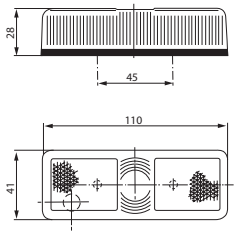
171842 LED Side Marker Lamp
12/24 **V,** **Dim.** 57x35x21 mm,
Dist. mount. holes 28 mm,
Mount. 2 screws, **Cable length** 400 mm,
Type LED, **Colour** Black,
Colour/glass Orange, **Material** ASA plastic, **Material/dome** PMMA,
Fixing screw 2, **Shape** Rectangular,
Connection Cable, **LEDs** w/,
No./LEDs 2, **Sidemarker lamp** w/,
Tightness norm IP 67, **E-approval** Yes



171860 LED Side Marker Lamp
12/24 **V,** 0.3-0.6 **W,** **Dim.** 72x26x24 mm,
Cable length 5000 mm, **Type** LED,
Colour Black, **Colour/glass** Orange,
Material PP, **Material/dome** PMMA,
Fixing screw 2, **Shape** Rectangular,
LEDs w/, **No./LEDs** 3, **Sidemarker** w/,
Approvals CE, **E-approval** Yes

Spare Parts

170946 Lens
Servicing: Cargo 170885



170975 Lens
Servicing: Cargo 170880
Dim. 110x41x28 mm

Accessories

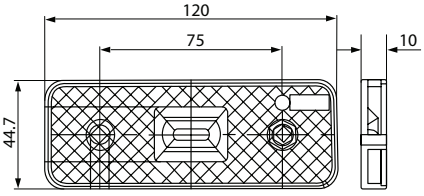
171417 Angle Bracket
Mount hole 1 45 mm, **Mount. hole 2** 85 mm
Long.

171419 Angle Bracket
Mount hole 1 45 mm, **Mount. hole 2** 85 mm
Short.

w/LED

Accessories

171639 Angle Bracket
Servicing: Cargo 171636, 171637, 171638



171836 Lens
Servicing: Cargo 171835
Dim. 120x44.7x10 mm, **Shape** Square,
E-approval Yes

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10

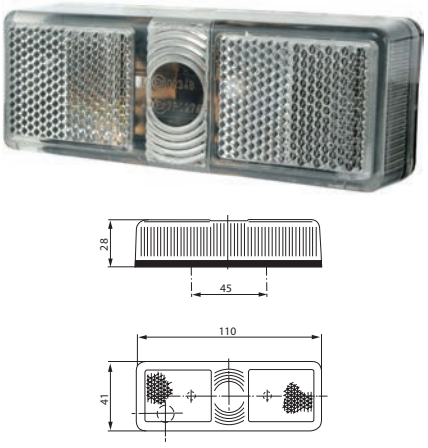
193119 Junior Power Timer Connector
Servicing: Cargo 171835, 171836
Type/terminal Junior Power Timer,
Colour Black, **No./poles** 2, **Plug** Female
Terminal: Cargo 192175, 192176, 192177, 192178, 192179.

Position Lamps

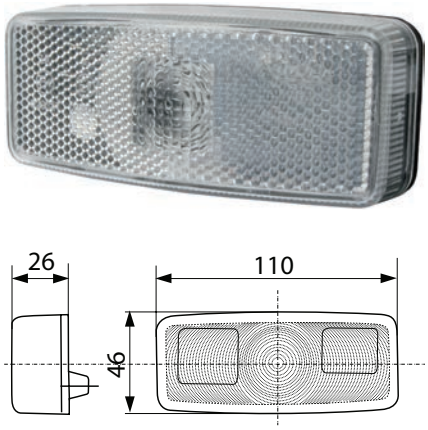
Pkg. 2

170875 Position Lamp
12/24 **V,** 5 **W, Dim.** 160x59x45 mm,
Dist. mount. holes 57 mm,
Mount. 2 screws, **Colour/glass** White,
Material Plastic, **Fixing screw** 2,
Connection Screw,

Pkg. 2

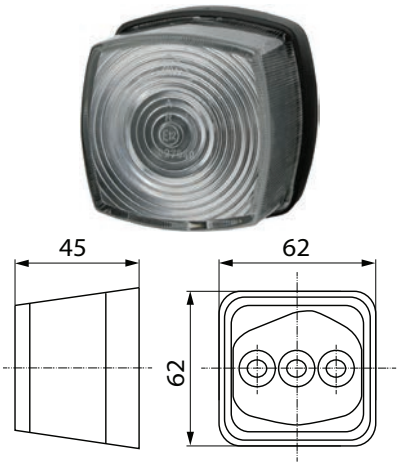


170881 Position Lamp
5 **W, Dim.** 110x41x28 mm,
Dist. mount. holes 45 mm,
Socket type S8.5, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Sidemarker lamp w/, **Tail light** w/,
Reflector w/, **E-approval** Yes
Lens: Cargo 170976.



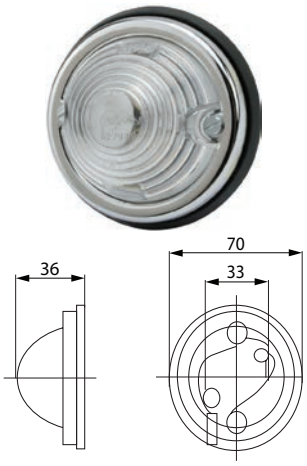
170887 Position Lamp
5 **W, Dim.** 110x46x26 mm,
Dist. mount. holes 85 mm,
Socket type T10, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection,
Sidemarker lamp w/, **Tail light** w/,
Reflector w/, **E-approval** Yes
Lens: Cargo 170952.

Pkg. 6



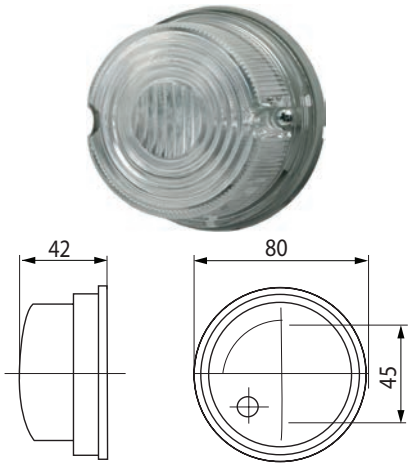
171171 Position Lamp
5 **W, Dim.** 62x62x45 mm,
Dist. mount. holes 30 mm,
Socket type S8.5, **Colour** Black,
Colour/glass Clear, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes
Lens: Cargo 171238.

Pkg. 8



171179 Position Lamp
5 **W, Dim.** 70x36 mm,
Dist. mount. holes 33 mm,
Mount. 2 screws, **Type** Position lamp,
Socket type S8.5, **Colour/glass** White,
Material Steel, **Fixing screw** 2,
Shape Circular, **Connection** Screw,
E-approval Yes

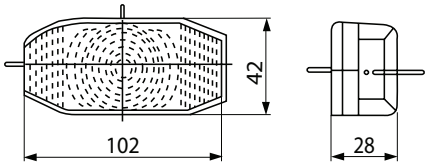
Pkg. 6



171182 Position Lamp
5 **W, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Mount. 2 screws, **Type** Position lamp,
Socket type S8.5, **Colour/glass** White,
Material Shockproof plastic,
Fixing screw 2, **Shape** Circular,
Connection Connection, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

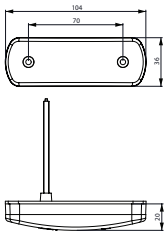
O.E.M. names and numbers are used for reference purposes only.



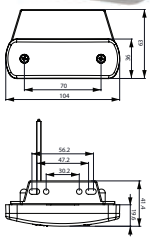
171332 Position Lamp
5 **W, Dim.** 102x42x28 mm,
Dist. mount. holes 65 mm,
Mount. 2 screws, **Socket type** S8.5,
Colour Black, **Colour/glass** White,
Material Plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes

171493 Position Lamp
Dim. 74x45x22.5 mm,
Dist. mount. holes 52 mm,
Mount. 2 screws, **Colour** Black,
Colour/glass White, **Material** Plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **Reflector** w/,
E-approval Yes

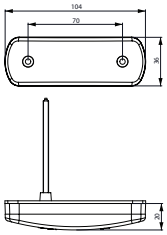
w/LED



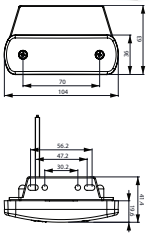
171583 LED Position Lamp
12 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes



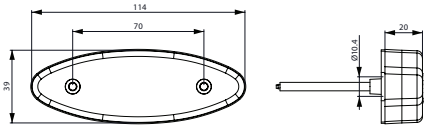
171584 LED Position Lamp
12 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171603 LED Position Lamp
24 **V, Dim.** 104x36x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Rectangular, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes



171604 LED Position Lamp
24 **V, Dim.** 104x36x19.6 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171609 LED Position Lamp
24 **V, Dim.** 114x39x20 mm,
Dist. mount. holes 70 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes

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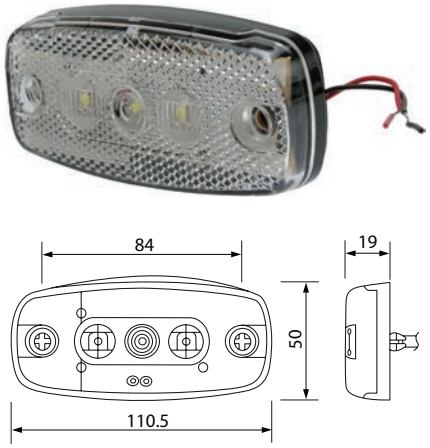
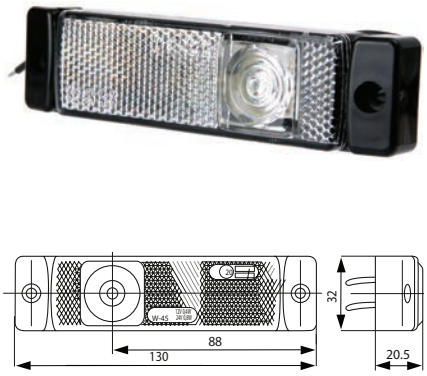
Available while stock last, * Program development.

171610 LED Position Lamp
24 **V, Dim.** 115x39.7x20 mm,
Dist. mount. holes 52 mm,
Cable length 500 mm, **Type** LED,
Colour/glass White, **Material** Shockproof plastic, **Fixing screw** 2,
Shape Oval, **Connection** Cable,
LEDs w/, **No./LEDs** 1, **Sidemarker** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



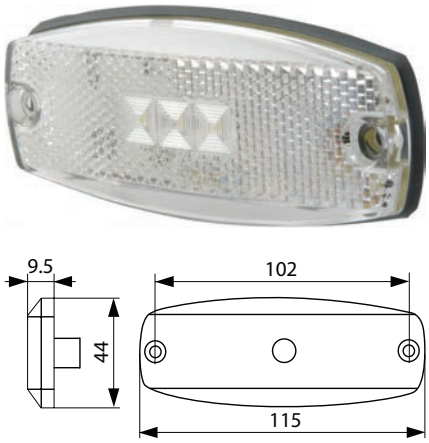
171638 LED Position Lamp
9-36 **V,** 0.9 **W,**
Dist. mount. holes 83 mm, **Type** LED,
Colour/glass White, **LEDs** w/,
No./LEDs 3, **Sidemarker** w/,
Reflector w/, **Approvals** ADR,
E-approval Yes

171717 LED Position Lamp
12/24 **V, Dim.** 130x57x42.5 mm,
Type LED, **Socket type** LED,
Colour/glass White, **Material** Shockproof plastic, **Connection** Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Bracket Angled, **Reflector** w/,
E-approval Yes



171718 LED Position Lamp
12/24 **V, Dim.** 130x32x20.5 mm,
Type LED, **Socket type** LED,
Colour/glass White, **Material** Shockproof plastic, **Connection** Cable, **LEDs** w/,
No./LEDs 1, **Sidemarker** w/,
Reflector w/, **E-approval** Yes

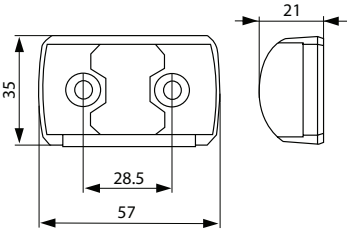
171744 LED Position Lamp
9-36 **V, Dim.** 63x31 mm, **OD** 63 mm,
Dist. mount. holes 30 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Colour** Black,
Colour/glass Clear, **Material** PVC,
Material/dome PMMA, **Shape** Round,
Connection Cable, **LEDs** w/,
No./LEDs 3, **Sidemarker** w/,
Approvals ADR/SAE, **E-approval** Yes



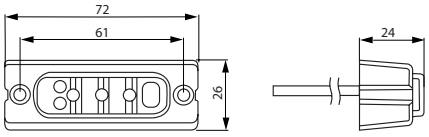
171841 LED Position Lamp
12/24 **V,** 0.45-1.6 **W,** -
Dim. 115x44x9.5 mm,
Dist. mount. holes 102 mm,
Mount. 2 screws, **Cable length** 5000 mm,
Type LED, **Colour** White,
Colour/glass White,
Material Polycarbonat,
Material/dome Polycarbonat,
Shape Rectangular, **Connection** Cable,
LEDs w/, **No./LEDs** 3, **Sidemarker** w/,
Reflector w/, **Tightness norm** IP 67,
Approvals SAE, **E-approval** Yes

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

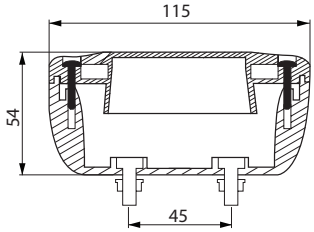
O.E.M. names and numbers are used for reference purposes only.



171844 LED Position Lamp
12/24 **V, Dim.** 57x35x21 mm, **Dist. mount. holes** 28 mm, **Mount.** 2 screws, **Cable length** 400 mm, **Type** LED, **Colour** Black, **Colour/glass** White, **Fixing screw** 2, **Shape** Rectangular, **Connection** Cable, **LEDs** w/, **No./LEDs** 2, **Sidemarker** w/, **Tightness norm** IP 67, **E-approval** Yes



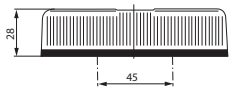
171862 LED Position Lamp
12/24 **V,** 0.3-0.6 **W, Dim.** 72x26x24 mm, **Cable length** 5000 mm, **Type** LED, **Colour** Black, **Colour/glass** White, **Material** PP, **Material/dome** PMMA, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Sidemarker lamp** w/, **Approvals** CE, **E-approval** Yes

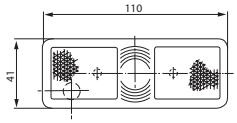


171868 LED Position Lamp
12/24 **V,** 0.3-0.6 **W, Cable length** 5000 mm, **Type** LED, **Colour** Black, **Colour/glass** White, **Material** PP, **Material/dome** PMMA, **Shape** Rectangular, **LEDs** w/, **No./LEDs** 3, **Sidemarker lamp** w/, **Bracket** Adjustable, **Approvals** CE, **E-approval** Yes

Spare Parts

170952 Lens
Servicing: Cargo 170887





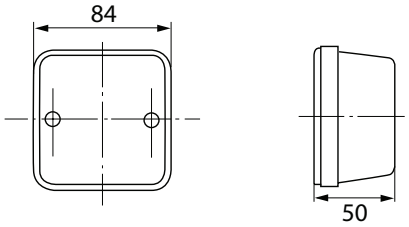
170976 Lens
Servicing: Cargo 170881
Dim. 110x41x28 mm, **Shape** Rectangular

Pkg. 10

171242 Lens
Servicing: Cargo 171174
Dim. 62x62x46 mm, **Shape** Square

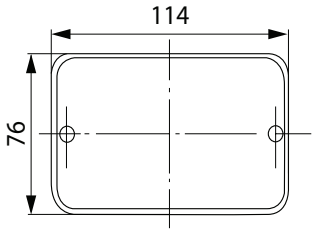
Flasher-Position Lamps

Pkg. 2



170925 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 84x50 mm, **Dist. mount. holes** 45 mm, **Socket type 1** BA15S, **Socket type 2** S8.5, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Square, **Connection** Connection, RH/LH, **E-approval** Yes

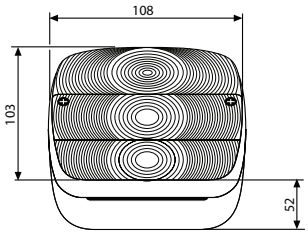
Pkg. 2



170927 Flasher/Position Lamp
21 **W 1,** 5 **W 2, Dim.** 114x76 mm, **Dist. mount. holes** 58 mm, **Socket type 1** BA15S, **Socket type 2** BA15S, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Rectangular, **Connection** Connection, RH/LH, **E-approval** Yes
Lens: Cargo 170989.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

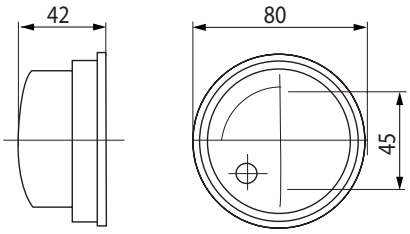


170941 Flasher/Position Lamp

Servicing: Cargo 170828

21 **W 1,** 5 **W 2, Dim.** 108x103x52 mm,
Dist. mount. holes 45/55 mm,
Socket type 1 BA15S,
Socket type 2 S8.5, **Fixing screw** 2,
Shape Rectangular,
Connection Connection, **Sidemarker** w/,
Flasher light w/, **E-approval** Yes
Lens: Cargo 170834.

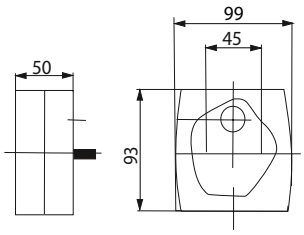
Pkg. 6



171215 Flasher/Position Lamp

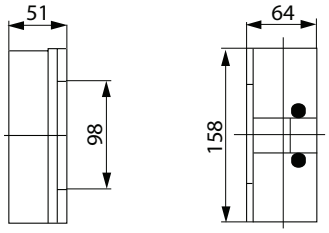
18 **W 1,** 10 **W 2, Dim.** 80x42 mm,
Dist. mount. holes 45 mm,
Socket type 1 S8.5, **Socket type 2** S8.5,
Colour/glass White/orange,
Material Metal, **Fixing screw** 2,
Shape Circular, **Connection** Connection, RH/LH
Lens: Cargo 171248.

Pkg. 2



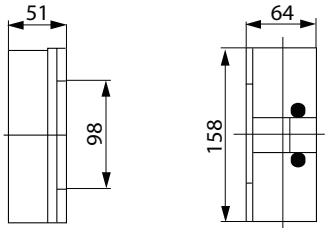
171216 Flasher/Position Lamp

21 **W 1,** 5 **W 2, Dim.** 93x99x50 mm,
Dist. mount. holes 45 mm,
Socket type 1 BA15S,
Socket type 2 S8.5, **Material** Shockproof plastic, **Fixing screw** 2, **Shape** Hexagon,
Connection Connection, **LEDs** w/o,
Bulb incl. No, RH/LH, **E-approval** Yes



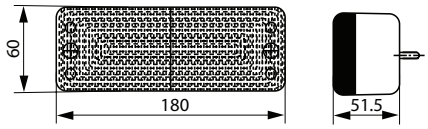
171217 Flasher/Position Lamp

21 **W 1,** 5 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Mount. 4 holes, **Socket type 1** BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, LH,
E-approval Yes
Lens: Cargo 171260.



171218 Flasher/Position Lamp

21 **W 1,** 5 **W 2, Dim.** 158x64x51 mm,
Dist. mount. holes 98/45 mm,
Mount. 4 holes, **Socket type 1** BA15S,
Socket type 2 BA15S,
Material Shockproof plastic,
Shape Rectangular,
Connection Connection, RH,
E-approval Yes



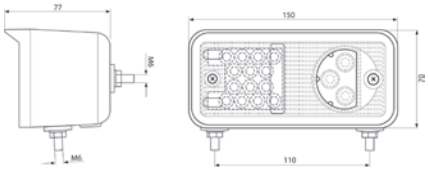
171510 Flasher/Position Lamp

21 **W 1,** 5 **W 2, Dim.** 180x60x51.5 mm,
Dist. mount. holes 134 mm,
Socket type 1 BA15S,
Socket type 2 BA15S,
Colour/glass White/orange,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, RH/LH,
E-approval Yes
Lens: Cargo 171510.

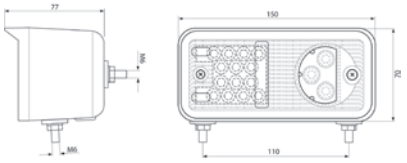
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

w/LED



171800 LED Flasher/Positions Lamp LH
12/24 **V, Dim.** 150x70x77 mm,
Dist. mount. holes 110/55 mm,
Mount. Upright/pendant,
Cable length 2100 mm, **Colour** Black,
Colour/glass Transparent/orange,
Material Shockproof plastic,
Shape Rectangular, **Connection** Connection,
LEDs w/, **No./LEDs** 14/3,
Flasher light w/, LH, **E-approval** Yes



171801 LED Flasher/Positions Lamp RH
12/24 **V, Dim.** 150x70x77 mm,
Dist. mount. holes 110/55 mm,
Mount. Upright/pendant,
Cable length 2100 mm, **Colour** Black,
Colour/glass Transparent/orange,
Material Shockproof plastic,
Shape Rectangular, **Connection** Connection,
LEDs w/, **No./LEDs** 14/3,
Flasher light w/, RH, **E-approval** Yes

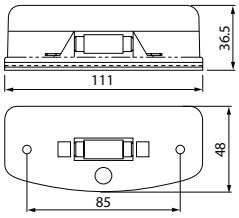
Spare Parts

Pkg. 5

170989 Lens
Servicing: Cargo 170927
Shape Rectangular

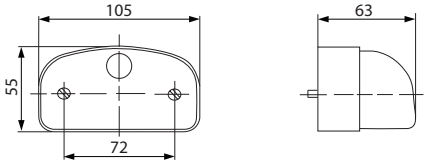
Tail Lights

Numberplate Lamps



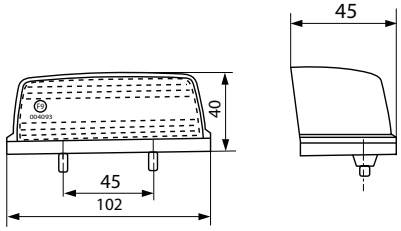
170002 Number Plate Lamp
Servicing: Universal
12/24 **V,** 5 **W,** 5 **W 1, Dim.** 111x36.5x48 mm,
Socket type S8.5, **Colour** Black,
Shape Rectangular, **Approvals** CE

Pkg. 4



170936 Number Plate Lamp
5 **W, Dim.** 105x55x63 mm,
Dist. mount. holes 72 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Connection** Screw,
Numberplate light w/, **E-approval** Yes

Pkg. 8

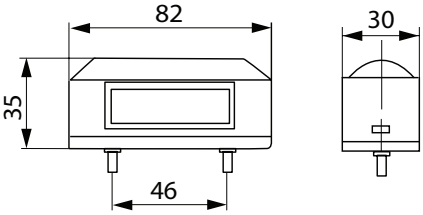


171045 Number Plate Lamp
5 **W, Dim.** 102x40x45 mm,
Dist. mount. holes 45 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Connection, **E-approval** Yes

Pkg. 2

171164 Number Plate Lamp
Servicing: Ford, Universal
5 **W, Type** Illumination of numberplate,
Socket type T10, **E-approval** Yes

Pkg. 2

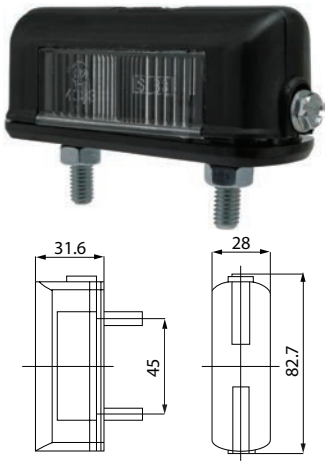


171166 Number Plate Lamp
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 82x35x30 mm,
Dist. mount. holes 45 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Fixing screw 2, **Connection** Screw,
Numberplate light w/, **E-approval** Yes
Universal.

O.E.M. names and numbers are used for reference purposes only.

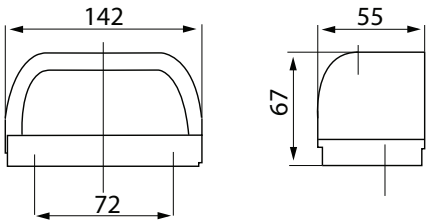
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 6



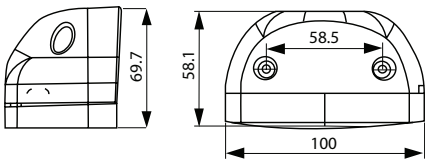
171224 Number Plate Lamp
12/24 **V,** 5 **W,** 5 **W 1,**
Dim. 82.7x28x31.6 mm,
Dist. mount. holes 45 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Shockproof plastic,
Fixing screw 2, **Shape** Rectangular,
Connection Screw, **E-approval** Yes

Pkg. 4



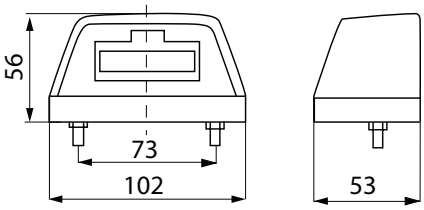
171225 Number Plate Lamp
12/24 **V,** 10 **W,** 10 **W 1,**
Dim. 142x67x55 mm,
Dist. mount. holes 72 mm,
Type Illumination of numberplate,
Socket type BA15S, **Material** Shockproof plastic, **Fixing screw** 2,
Connection Connection, **E-approval** Yes

Pkg. 2

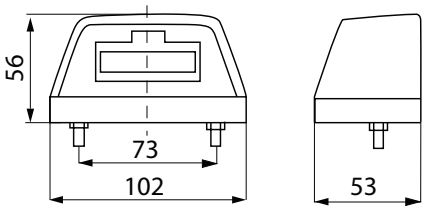


171345 Number Plate Lamp
5 **W, Dim.** 100x58.1x69.7 mm,
Dist. mount. holes 71.5 mm,
Type Illumination of numberplate,
Socket type S8.5, **Colour** Black,
Material Plastic, **Fixing screw** 2,
Connection Screw, **E-approval** Yes

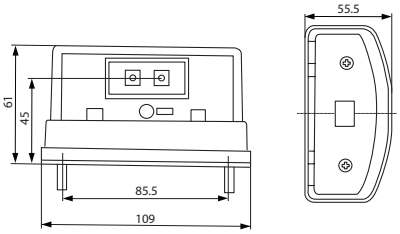
w/LED



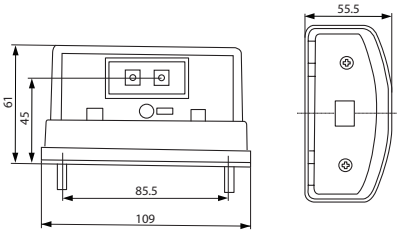
171622 LED Numberplate Lamp
24 **V, Dim.** 102x56x53 mm,
Dist. mount. holes 72 mm, **Type** LED,
Colour Black, **Colour/glass** White,
LEDs w/, **Numberplate light** w/,
E-approval Yes



171624 LED Numberplate Lamp
24 **V, Dim.** 102x56x53 mm,
Dist. mount. holes 72 mm, **Type** LED,
Colour Black, **Colour/glass** Red,
Shape Rectangular, **LEDs** w/,
Numberplate light w/, **E-approval** Yes



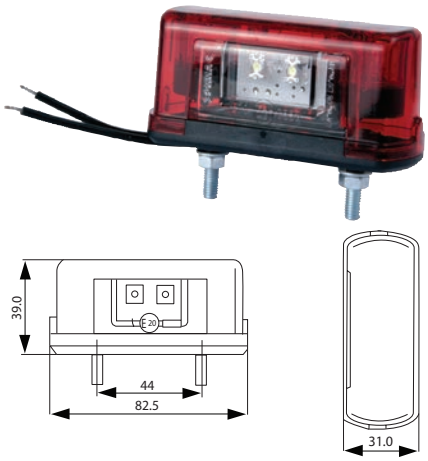
171709 LED Numberplate Lamp
12/24 **V, Dim.** 109x61x55.5 mm,
Type LED, **Socket type** LED, **Colour** Red,
Material Shockproof plastic, **Fixing screw** 2,
Numberplate light w/, **E-approval** Yes



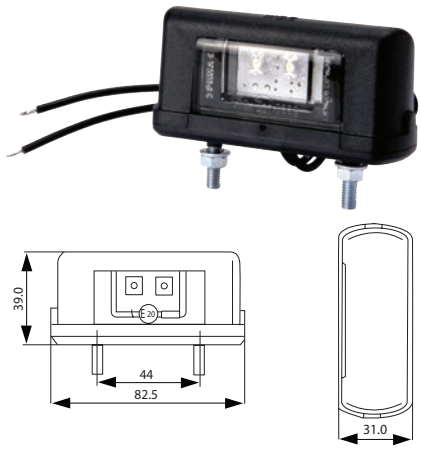
171714 LED Numberplate Lamp
12/24 **V, Dim.** 109x61x55.5 mm,
Type LED, **Socket type** LED,
Colour Black, **Material** Shockproof plastic,
Numberplate light w/

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

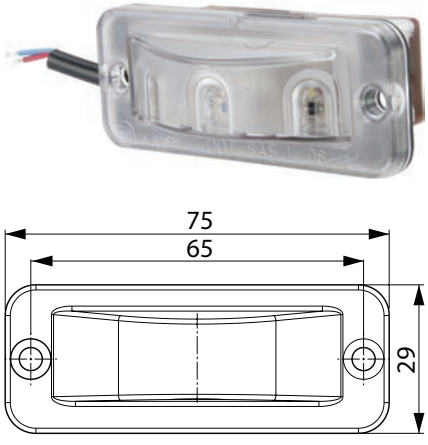
O.E.M. names and numbers are used for reference purposes only.



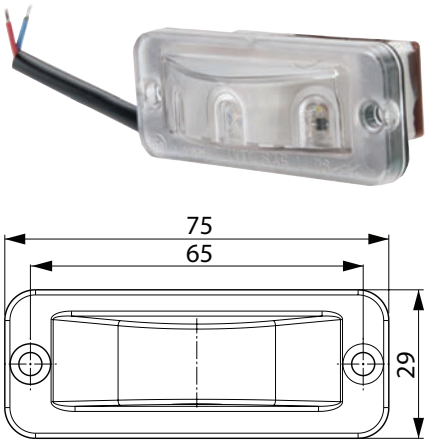
171715 LED Numberplate Lamp
12/24 **V, Dim.** 82.5x39x31 mm,
Type LED, **Socket type** LED,
Colour/glass Red, **Material** Shockproof plastic, **Fixing screw** 2,
Numberplate light w/, **E-approval** Yes



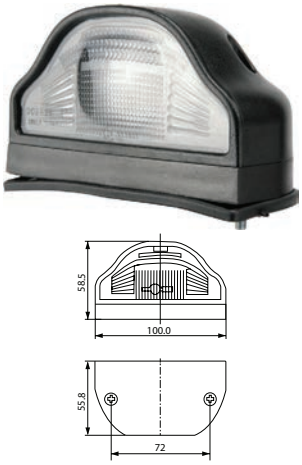
171716 LED Numberplate Lamp
12/24 **V, Dim.** 82.5x39x31 mm,
Type LED, **Socket type** LED,
Colour Black, **Fixing screw** 2,
Numberplate light w/, **E-approval** Yes



171737 LED Numberplade Lamp
12 **V, Dim.** 75x29x34 mm,
Dist. mount. holes 65 mm, **Mount.** 2 screws,
Cable length 300 mm, **Type** LED,
Connection Cable, **LEDs** w/, **No./LEDs** 3,
Numberplate light w/, **E-approval** Yes



171738 LED Numberplate Lamp
24 **V, Dim.** 75x29x34 mm,
Dist. mount. holes 65 mm,
Mount. 2 screws, **Cable length** 300 mm,
Type LED, **Connection** Cable, **LEDs** w/,
No./LEDs 3, **Numberplate light** w/



171824 LED Number plate Lamp
12/24 **V,** 0.5-1.1 **W,** -
Dim. 100x58.5x55.8 mm,
Dist. mount. holes 72 mm,
Cable length 1000 mm, **Type** LED,
Colour Black, **Colour/glass** White,
Material Plastic, **Fixing screw** 2,
LEDs w/, **Numberplate light** w/,
E-approval Yes

Interior Lamps

Flourescent Lamps

Spare Parts

Pkg. 25

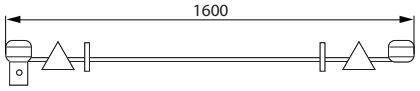
170664 Fluorescent Tube
Servicing: Cargo 170035, 170036, 171393, 200181
8 **W, Length** 300 mm

Pkg. 10

171397 Fluorescent Tube
Servicing: Cargo 170032, 170033, 171396
13 **W, Length** 530 mm

Tail Lights

Trailer Lighting Sets



170809 Trailer Lighting Set
12 **V, Dim.** 1600 mm,
Cable length 7500 mm,
Material Galvanised steel,
Connection Cable, **No./lamps** 2,
No./reflectors 2, **Flasher light** w/,
Stop light w/, **Numberplate holder** w/,
Bulb incl. Yes
Light construction. 7-pole plug.

O.E.M. names and numbers are used for reference purposes only.

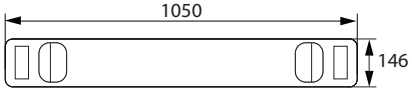
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

170818 Trailer Lighting Set

12 **V, Mount.** Magnetic,
Cable length 4000/12000 mm,
Connection Cable, **No./lamps** 2,
Sidemarker lamp w/, **Tail light** w/,
Stop light w/, **Bulb incl.** Yes
7-pole plug. Magnet w/ metalbracket: Cargo 170942.

170828 Front/rear lighting set

12 **V, Mount.** Magnetic,
Cable length 4500/7500 mm,
Connection Cable, **No./lamps** 2,
Sidemarker w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes
7-pole plug. Tail-stop-flash lamp: Cargo 170939. Flash-position lamp: Cargo 170941. Magnet w/ metal bracket: Cargo 170942.



170829 Number Plate Holder

12 **V, Dim.** 1050x146 mm,
Cable length 1500 mm,
Numberplate holder w/, **Bulb incl.** Yes,
Reflector w/, **Straps incl.** Yes
7-pole plug.

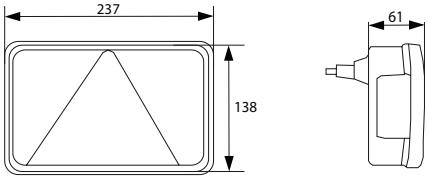
Pkg. 2

170835 Trailer Lighting Set

12 **V, Dim.** 1400-2100 mm,
Cable length 1200 mm,
Width/adjustable w/,
Material Galvanised steel, **No./lamps** 2,
No./reflectors 2, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Numberplate holder w/, **Bulb incl.** Yes
Light construction. 7-pole plug.

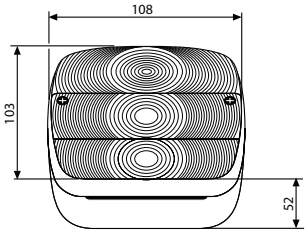
171049 Trailer Lighting Set

12 **V, Dim.** 1000-1600 mm,
Cable length 7500 mm,
Width/adjustable w/,
Material Galvanised steel,
Connection Connection, **No./lamps** 2,
No./reflectors 2, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Numberplate holder w/, **Bulb incl.** Yes
Light construction. 7-pole plug.



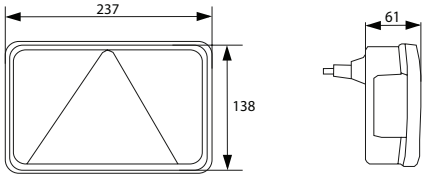
171818 Trailer lighting set

12 **V, Dim.** 237x138x61 mm,
Cable length 2x5000 mm,
Shape Rectangular, **Connection** Multiplug,
No./lamps 2, **Numberplate light** w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 171833, 171834. Lamp: Cargo 171870, 171871.



171821 Trailer lighting set

12 **V, Cable length** 2x5000 mm,
Shape Square, **Connection** Multiplug,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 170833.



171872 Trailer lighting set

12 **V, Dim.** 237x138x61 mm,
Cable length 2x7500 mm,
Shape Rectangular, **Connection** Multiplug,
No./lamps 2, **Numberplate light** w/,
Rear/fog lamp w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Lens: Cargo 171833, 171834. Lamp: Cargo 171870, 171871.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

171873 Trailer lighting set
12 **V, Cable length** 2x7500 mm,
Shape Square, **Connection** Multiplug,
Numberplate light w/, **Flasher light** w/,
Tail light w/, **Stop light** w/,
Bulb incl. Yes, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 170833.

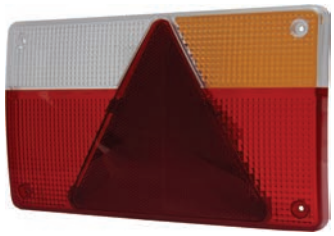
Spare Parts

170834 Lens, Rear Lamp
Servicing: Cargo 170941
Dim. 108x103x52 mm, **Fixing screw** 2,
Shape Rectangular, **Sidemarker** w/,
Flasher light w/

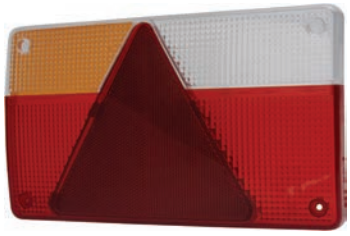
Pkg. 2

170942 Magnet
Servicing: Cargo 170818, 170828
OD 76 mm
For camera.

171795 Rubber Protection
Servicing: Cargo 170942
ID 76 mm, **Rubber** w/

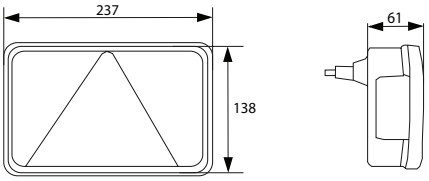


171833 Lens, Rear Lamp
Servicing: Cargo 171818, 171871, 171872
Dim. 237x138x19 mm,
Material Shockproof plastic,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/, RH,
E-approval Yes



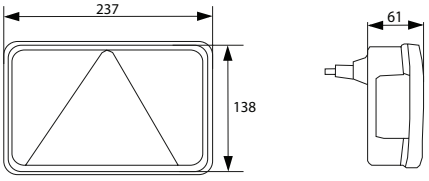
171834 Lens, Rear Lamp
Servicing: Cargo 171818, 171870, 171872
Dim. 237x138x19 mm,
Material Shockproof plastic,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/, LH,
E-approval Yes

Pkg. 2



171870 Multi Function Lamp
Servicing: Cargo 171818, 171872
12 **V, Dim.** 237x138x61 mm,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/,
Bulb incl. Yes, LH, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 171834.

Pkg. 2



171871 Multi Function Lamp
Servicing: Cargo 171818, 171872
12 **V, Dim.** 237x138x61 mm,
Shape Rectangular,
Numberplate light w/,
Rear/fog lamp w/, **Sidemarker** w/,
Flasher light w/, **Stop light** w/,
Bulb incl. Yes, RH, **E-approval** Yes
Multi connector: Cargo 171372, 171373.
Lens: Cargo 171833.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Reflectors

Pkg. 10

170142 Reflector
OD 60 mm, **Colour** Red,
Material Plastic, **Shape** Round,
Approvals I A approval, **E-approval** Yes
w/ 5 mm bolt.

Pkg. 10

170143 Reflector
OD 83 mm, **Colour** Red,
Material Plastic, **Shape** Round,
Approvals I A approval, **E-approval** Yes
w/ 5 mm bolt.

Pkg. 2

170144 Reflector
Dim. 160x160x160 mm,
Dist. mount. holes 85 mm,
Mount. 2 screws, **Colour** Red,
Material Plastic, **Shape** Triangle,
Approvals III A approval, **E-approval** Yes

Pkg. 10

170163 Reflector
Dim. 155x135 mm,
Dist. mount. holes 70 mm,
Mount. 2 holes, **Colour** Red,
Material Plastic, **Shape** Triangle,
Approvals III A approval, **E-approval** Yes

Pkg. 10

170165 Reflector
OD 60 mm, **Hole size** 4 mm,
Colour Red, **Material** Plastic,
Shape Round, **Approvals** I A approval,
E-approval Yes

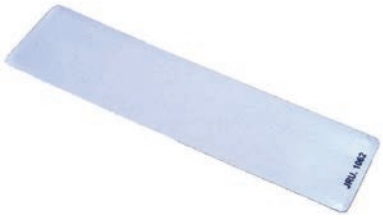
Pkg. 10

170169 Reflector
OD 60 mm, **Hole size** 4 mm,
Colour Orange, **Material** Plastic,
Shape Round, **Approvals** I A approval,
E-approval Yes

Pkg. 10

170170 Reflector
OD 60 mm, **Hole size** 4 mm,
Colour White, **Material** Plastic,
Shape Round, **Approvals** I A approval,
E-approval Yes

Pkg. 50

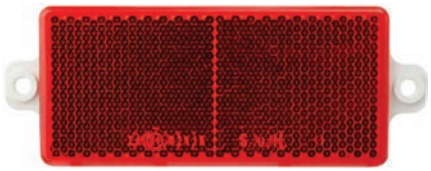


170212 Reflector
Dim. 50x200 mm, **Mount.** Self adhesive,
Colour White, **Approvals** JRU,
E-approval No
Only approved in DK.

Pkg. 50

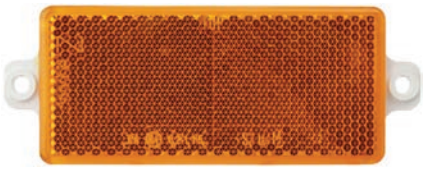
170213 Reflector
Dim. 50x200 mm, **Mount.** Self adhesive,
Colour Yellow, **Approvals** JRU,
E-approval No
Only approved in DK.

Pkg. 10



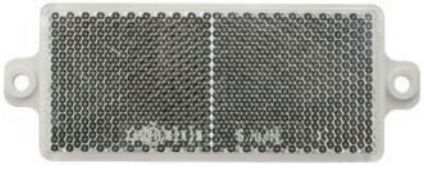
170623 Reflector
Dim. 95x44 mm,
Dist. mount. holes 105 mm,
Mount. 2 holes, **Colour** Red,
Material Plastic, **Shape** Rectangular,
Approvals I A approval, **E-approval** Yes

Pkg. 10



170624 Reflector
Dim. 95x44 mm,
Dist. mount. holes 105 mm,
Mount. 2 holes, **Colour** Orange,
Material Plastic, **Shape** Rectangular,
Approvals I A approval, **E-approval** Yes

Pkg. 10



170625 Reflector
Dim. 95x44 mm,
Dist. mount. holes 105 mm,
Mount. 2 holes, **Colour** White,
Material Plastic, **Shape** Rectangular,
Approvals I A approval, **E-approval** Yes

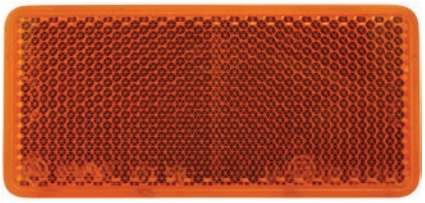
All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

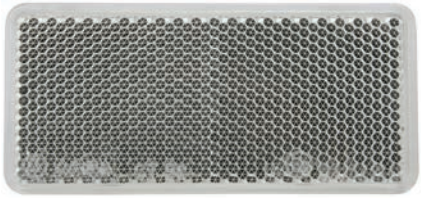
170626 Reflector
Dim. 95x44 mm, **Mount.** Self adhesive, **Colour** Red, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



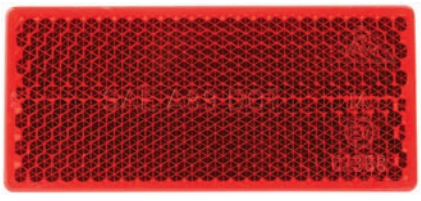
170627 Reflector
Dim. 95x44 mm, **Mount.** Self adhesive, **Colour** Orange, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



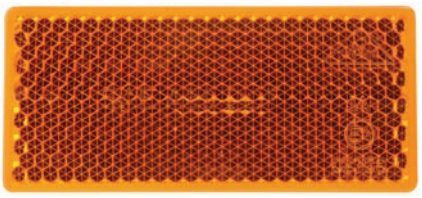
170628 Reflector
Dim. 95x44 mm, **Mount.** Self adhesive, **Colour** White, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



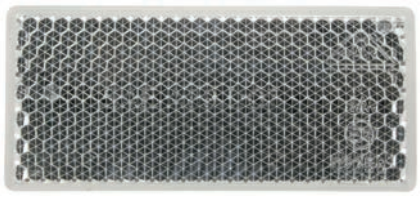
170629 Reflector
Dim. 69x31.5 mm, **Mount.** Self adhesive, **Colour** Red, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170630 Reflector
Dim. 69x31.5 mm, **Mount.** Self adhesive, **Colour** Orange, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170631 Reflector
Dim. 69x31.5 mm, **Mount.** Self adhesive, **Colour** White, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

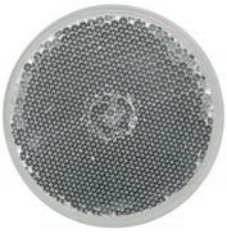
Pkg. 10

170675 Reflector
OD 60 mm, **Mount.** Self adhesive, **Colour** Red, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

170676 Reflector
OD 60 mm, **Mount.** Self adhesive, **Colour** Orange, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



170677 Reflector
OD 60 mm, **Mount.** Self adhesive, **Colour** White, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

170729 Reflector
OD 83 mm, **Mount.** 1 hole, **Hole size** 4 mm, **Colour** Red, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

170730 Reflector
OD 83 mm, **Mount.** 1 hole, **Hole size** 4 mm, **Colour** White, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

Pkg. 10

171048 Reflector
OD 83 mm, **Mount.** 1 hole, **Hole size** 4 mm, **Colour** Orange, **Material** Plastic, **Shape** Round, **Approvals** I A approval, **E-approval** Yes

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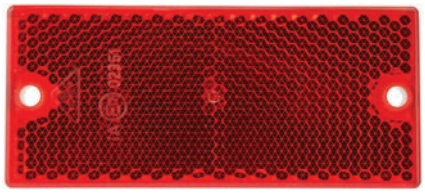
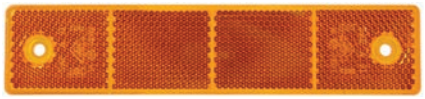
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



171228 Reflector
Dim. 90x40 mm,
Dist. mount. holes 79 mm, **Mount.** 2 holes, **Colour** Red, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Pkg. 10



171233 Reflector
Dim. 180x40 mm,
Dist. mount. holes 150 mm, **Mount.** 2 holes, **Colour** Orange, **Material** Plastic, **Shape** Rectangular, **Approvals** I A approval, **E-approval** Yes

Accessories

Pkg. 10

171536 Bracket
ID 60 mm, **Mounting holes** 1 (0)

Warning Triangles

170171 Warning Triangle
Shape Triangle, **E-approval** Yes
Break down warning triangle. Supplied in plastic carrying box.

Container Marking

Pkg. 10

171895 Skipmarking
Dim. 100x400 mm, **Colour** White/red, **Material** Film, **Shape** Rectangular, **Approvals** No Homogation required
Self-adhesive. Left. Class 2.

Pkg. 10

171896 Skipmarking
Dim. 100x400 mm, **Colour** White/red, **Material** Film, **Shape** Rectangular, **Approvals** No Homogation required
Self-adhesive. Right. Class 2.

Pkg. 10

171897 Skipmarking
Dim. 200x400 mm, **Colour** White/red, **Material** Film, **Shape** Rectangular, **Approvals** No Homogation required
Self-adhesive kit. Class 2.

Triangles

Pkg. 25

170390 Reflector Triangle
Dim. 350-365 mm,
Dist. mount. holes 153 mm, **Hole size** 7 mm, **Colour** Red, **Material** Aluminium, **Shape** Triangle, **E-approval** Yes
Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket.

Pkg. 10

170759 Reflector Triangle
Dist. mount. holes 153 mm, **Hole size** 6 mm, **Colour** Red, **Material** Shock thermo plastic, **Shape** Triangle, **E-approval** Yes
Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket.

Accessories

Pkg. 10

170391 Mounting Bracket
Servicing: Cargo 170390, 170759
Male.

Pkg. 10

170392 Mounting Bracket
Servicing: Cargo 170390, 170759
Female.

170393 Mounting Bracket Kit
Servicing: Cargo 170390, 170759
w/ male and female brackets, bolts and nuts.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Pkg. 10

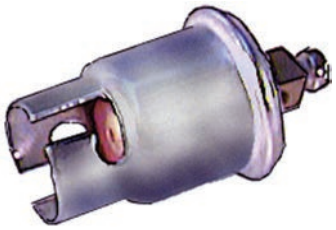
170797 Mounting Bracket
Servicing: Cargo 170390, 170759
Angled.

Bulb Holders

Pkg. 10

170135 Bulb Holder
Socket type BAY15d, **Connection** Screw M5

Pkg. 10



170136 Bulb Holder
Socket type BA9s, **Connection** Screw M5

Pkg. 10

170137 Bulb Holder
Socket type BA7s, **Connection** Screw M5

Pkg. 10

170138 Bulb Holder
Socket type BA15S, **Connection** Screw M5

Pkg. 10

170139 Bulb Holder
Socket type S8.5, **Connection** Screw M5,
33-36 mm. Festoon type.

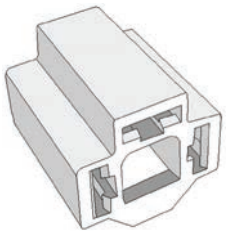
Pkg. 10

170433 Bulb Holder
Servicing: H4
Socket type P43t, **Connection** Terminal
Also for bulbs that fit socket P45t. Used w/ sealed beams.

Pkg. 10

170596 Bulb Holder
Socket type BA15d, **Connection** Screw M5

Pkg. 10



170619 Bulb Holder
Servicing: H4
Socket type P45t, **Connection** Plug
Also for bulbs that fit socket P43t. Used w/ sealed beams.

Pkg. 2

170763 Bulb Holder
Servicing: VW Golf, Vento, Polo, Passat, Seat Ibiza, Toledo
Socket type T10, **Connection** Multiplug

Pkg. 10

170790 Bulb Holder
Socket type BA9s, **Connection** Terminal
2x terminal connection.

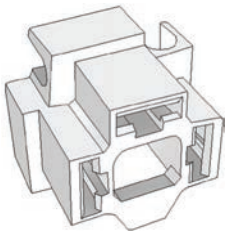
Pkg. 10

170791 Bulb Holder
Socket type BA15S, **Connection** Screw M5
2x screw connection.

O.E.M. names and numbers are used for reference purposes only.

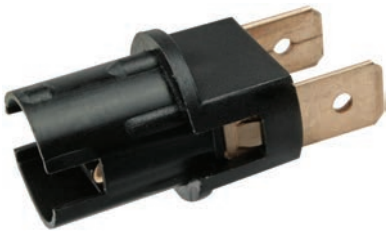
All measurements are in mm, unless else stated.
Available while stock last, * Program development.

Pkg. 10



170799 Bulb Holder
Servicing: Cargo 191938
Socket type P43t, **Connection** Plug
Also for bulbs that fit socket P45t. Used w/ sealed beams. Angled type.

Pkg. 10



170827 Bulb Holder
Socket type T10, **Connection** Terminal
2x terminal connection.

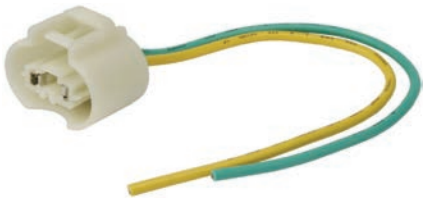
Pkg. 10

170964 Bulb Holder
Servicing: H4
Socket type P43t+P45t,
Connection Cable
Also for bulbs that fit socket P45. Used w/ sealed beams. w/ snap-lock action for cable connection.

Pkg. 10

171426 Bulb Holder
Socket type HB3, H10, H12,
Connection Cable
w/ wire.

Pkg. 10



171427 Bulb Holder
Socket type HB4, **Connection** Cable
w/ wire.

Pkg. 10

171453 Bulb Holder
Socket type PX26d, **Connection** Cable
H7.

171783 Bulb Holder
Socket type HB1, HB5,
Connection Cable

Pkg. 10

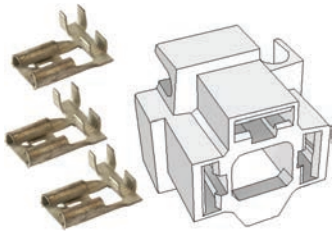
171784 Bulb Holder
Socket type H8, H9, H11,
Connection Cable

171924 Bulb Holder
Socket type P14.5s, PK22s, PKY22s,
Connection Cable
H1/H3. 2 way.

171925 Bulb Holder
Socket type P14.5s, PK22s, PKY22s,
Connection Cable
H1/H3. 1 way.

Set

171281 Bulb Holder Set
Servicing: H4
Socket type P43t, **Connection** Plug
Contains: 1 pcs. Cargo 170619. 3 pcs. Cargo 191200.



171282 Bulb Holder Set
Servicing: H4
Socket type P43t, **Connection** Plug
Contains: 1 pcs. Cargo 170799. 3 pcs. Cargo 191938.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

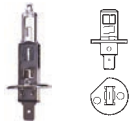
O.E.M. names and numbers are used for reference purposes only.

H1 Halogen

Item no.	Volt	Watt			Colour	Dim.		Comment
170069	12 **V**	55 **W**	Halogen			62.5x8.5	Pkg. 10	
171070	12 **V**	55 **W**	Halogen			62.5x8.5	Pkg. 10	*Gives up to 30% more light.*
171071	12 **V**	55 **W**	Halogen	Xenon blue		62.5x8.5	Pkg. 10	
171136	12 **V**	55 **W**	Halogen			62.5x8.5	Pkg. 10	*Gives up to 50% more light.*
171068	12 **V**	100 **W**	Halogen			62.5x8.5	Pkg. 10	
171404	12 **V**	130 **W**	Halogen			59.8x9.7	Pkg. 10	
171072	24 **V**	70 **W**	Halogen			62.5x8.5	Pkg. 10	

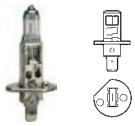
P14.5s

Item no.	Volt	Watt			Colour	Dim.		Comment
170332	12 **V**	55 **W**	Halogen			62.5x8.5	Pkg. 10	
170823	12 **V**	55 **W**	Halogen	Xenon blue		62.5x8.5	Pkg. 10	
170965	12 **V**	55 **W**	Halogen	Megalight		62.5x8.5	Pkg. 10	*Gives up to 30% more light.*
170493	12 **V**	100 **W**	Halogen			62.5x8.5	Pkg. 10	
170449	24 **V**	70 **W**	Halogen			62.5x8.5	Pkg. 10	
170494	24 **V**	100 **W**	Halogen			62.5x8.5	Pkg. 10	



P14.5s

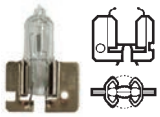
Item no.	Volt	Watt			Colour	Dim.		Comment
171686	12 **V**	55 **W**	Halogen	Nightbreaker		59.8x9.7	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*



P14.5s

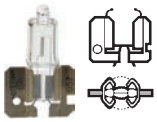
H2 Halogen

Item no.	Volt	Watt			Colour	Dim.		Comment
171073	12 **V**	55 **W**	Halogen			30x9	Pkg. 10	
170512	24 **V**	100 **W**	Halogen			30x9	Pkg. 10	



X511

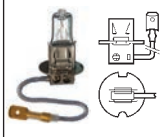
Item no.	Volt	Watt			Colour	Dim.		Comment
170576	12 **V**	55 **W**	Halogen			30x9	Pkg. 10	
170478	24 **V**	70 **W**	Halogen			30x9	Pkg. 10	



X511

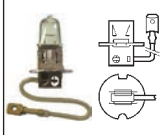
H3 Halogen

Item no.	Volt	Watt			Colour	Dim.		Comment
171469	6 **V**	55 **W**	Halogen			42x11.5	Pkg. 10	
170070	12 **V**	55 **W**	Halogen			42x11.5	Pkg. 10	
171405	12 **V**	130 **W**	Halogen			39x11.5	Pkg. 10	
170836	24 **V**	70 **W**	Halogen			42x11.5	Pkg. 10	
171407	48 **V**	45 **W**	Halogen			42x11.5	Pkg. 10	
171378	80 **V**	55 **W**	Halogen			42x11.5	Pkg. 10	



PK22s

Item no.	Volt	Watt			Colour	Dim.		Comment
170696	12 **V**	35 **W**	Halogen			42x11.5	Pkg. 10	
170333	12 **V**	55 **W**	Halogen			42x11.5	Pkg. 10	
170723	12 **V**	55 **W**	Halogen	All day		42x11.5	Pkg. 10	*Gives better visibility in poor weather conditions.*
170824	12 **V**	55 **W**	Halogen		Xenon blue	42x11.5	Pkg. 10	*Brighter light as standard.*
170412	24 **V**	70 **W**	Halogen			42x11.5	Pkg. 10	
170362	24 **V**	100 **W**	Halogen			42x11.5	Pkg. 10	



PK22s

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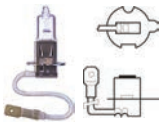
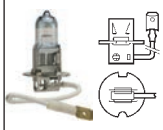
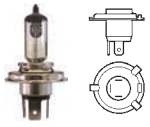
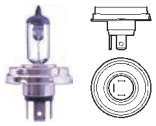
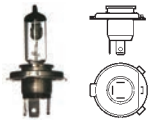
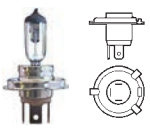
#Available while stock last, * Program development.

John	Item no.	Volt	Watt			Colour	Dim.		Comment
 PKY22s	**170496**	12 **V**	100 **W**	Halogen			42x11.5	Pkg. 10	

OSRAM	Item no.	Volt	Watt			Colour	Dim.		Comment
 PK22s	**171687**	12 **V**	55 **W**	Halogen	Nightbreaker		42x11.5	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H4 Halogen

CarGo	Item no.	Volt	Watt			Colour	Dim.		Comment
	171474	6 **V**	60/55 **W**	Halogen			78x16	Pkg. 10	
	170768	12 **V**	60/55 **W**	Halogen			78x16	Pkg. 10	
	171066	12 **V**	60/55 **W**	Halogen			78x16	Pkg. 10	*Gives up to 30% more light.*
	171067	12 **V**	60/55 **W**	Halogen		Xenon blue	78x16	Pkg. 10	*Brighter light as standard.*
	171113	12 **V**	60/55 **W**	Halogen	Longlife		78x16	Pkg. 10	
	171114	12 **V**	60/55 **W**	Halogen	Gold	Yellow	78x16	Pkg. 10	*Gives better visibility in poor weather. Not approved in Germany.*
 P43t	**171134**	12 **V**	60/55 **W**	Halogen			78x16	Pkg. 10	*Gives up to 50% more light.*
	171688	12 **V**	60/55 **W**	Halogen	Nightbreaker		82	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*
	170803	12 **V**	100/80 **W**	Halogen		Xenon blue	78x16	Pkg. 10	*Brighter light as standard.*
	171065	12 **V**	100/80 **W**	Halogen			78x16	Pkg. 10	
	170513	12 **V**	130/90 **W**	Halogen				Pkg. 10	
	170514	12 **V**	165/120 **W**	Halogen			78x16	Pkg. 10	
	170721	24 **V**	75/70 **W**	Halogen		Gold	78x16	Pkg. 10	*Gives better visibility in poor weather. Not approved in Germany.*
	170792	24 **V**	75/70 **W**	Halogen			78x16	Pkg. 10	
	171125	24 **V**	75/70 **W**	Halogen	Heavy Duty		78x16	Pkg. 10	
 P45t	**170071**	12 **V**	60/65 **W**	Halogen			78x16	Pkg. 10	
	170515	24 **V**	130/90 **W**	Halogen			78x16	Pkg. 1	
 PX43t	**171473**	6 **V**	35/35 **W**				78x16	Pkg. 10	

John	Item no.	Volt	Watt			Colour	Dim.		Comment
	170718	12 **V**	35/35 **W**	Halogen			78x16	Pkg. 10	
	170334	12 **V**	60/55 **W**	Halogen			78x16	Pkg. 10	
	170657	12 **V**	60/55 **W**	Halogen	Longlife		78x16	Pkg. 10	
	170802	12 **V**	60/55 **W**	Halogen		Xenon blue	78x16	Pkg. 10	*Brighter light as standard.*
	170804	12 **V**	60/55 **W**	Halogen	Megalight		78x16	Pkg. 10	*Gives up to 30% more light.*
	171064	12 **V**	60/55 **W**	Halogen	Megalight plus		78x16	Pkg. 2	*Gives up to 60% more light.*
	170572	12 **V**	100/55 **W**	Halogen			78x16	Pkg. 10	
	170009	12 **V**	100/90 **W**	Halogen			78x16	Pkg. 10	
	170348	24 **V**	75/70 **W**	Halogen			78x16	Pkg. 10	
 P43t	**170450**	24 **V**	75/70 **W**	Halogen	Heavy Duty		78x16	Pkg. 10	

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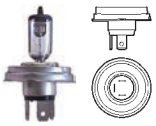
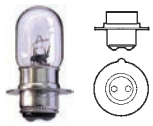
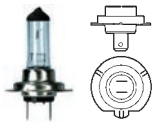
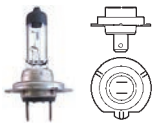
John	Item no.	Volt	Watt		Colour	Dim.		Comment
 P45t	**170681**	12 **V**	45/40 **W**	Halogen		78x16	Pkg. 10	
	170359	12 **V**	100/80 **W**	Halogen		78x16	Pkg. 10	
	170006	24 **V**	75/70 **W**	Halogen		78x16	Pkg. 10	
	170360	24 **V**	100/70 **W**	Halogen		78x16	Pkg. 10	
	170361	24 **V**	100/70 **W**	Halogen		78x16	Pkg. 10	

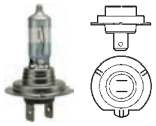
MH6 Halogen

CAR GO	Item no.	Volt	Watt		Colour	Dim.		Comment
 PX15d	**170811**	12 **V**	30/30 **W**	Bilux		47x20	Pkg. 10	
	170812	12 **V**	30/30 **W**	Halogen		55x15	Pkg. 12	

H7 Halogen

CAR GO	Item no.	Volt	Watt		Colour	Dim.		Comment
 PX26d	**171077**	12 **V**	55 **W**	Halogen		58x11.6	Pkg. 10	
	171079	12 **V**	55 **W**	Halogen	Xenon blue	58x11.6	Pkg. 10	*Brighter light as standard.*
	171081	12 **V**	55 **W**	Halogen		58x11.6	Pkg. 10	*Gives up to 30% more light.*
	171117	12 **V**	55 **W**	Halogen	Longlife	58x11.6	Pkg. 10	
	171137	12 **V**	55 **W**	Halogen		58x11.6	Pkg. 10	*Gives up to 50% more light.*
	170837	12 **V**	100 **W**	Halogen		58x11.6	Pkg. 10	
	171080	24 **V**	70 **W**	Halogen		58x11.6	Pkg. 10	
	171532	24 **V**	70 **W**	Halogen	Longlife	58x11.6	Pkg. 10	

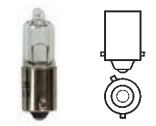
John	Item no.	Volt	Watt		Colour	Dim.		Comment
 PX26d	**170720**	12 **V**	55 **W**	Halogen		58x11.6	Pkg. 10	
	170825	12 **V**	55 **W**	Halogen	Xenon blue	58x11.6	Pkg. 10	*Brighter light as standard.*
	170800	24 **V**	70 **W**	Halogen		58x11.6	Pkg. 10	

OSRAM	Item no.	Volt	Watt		Colour	Dim.		Comment
 PX26d	**171689**	12 **V**	55 **W**	Halogen	Nightbreaker	59	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

H15 Halogen

OSRAM	Item no.	Volt	Watt		Colour	Dim.		Comment
PGJ23T-1	**171691**	12 **V**	60/19 **W**	Halogen			Pkg. 10	

H6W Halogen

CAR GO	Item no.	Volt	Watt		Colour	Dim.		Comment
 BAX9s	**171082**	12 **V**	6 **W**	Halogen		35x9	Pkg. 10	

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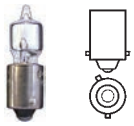
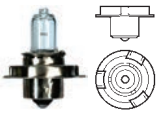
	Item no.	Volt	Watt		Colour	Dim.		Comment
 BAX9s	**170741**	12 **V**	6 **W**	Halogen		33x9	Pkg. 10	

H21W Halogen

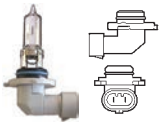
	Item no.	Volt	Watt		Colour	Dim.		Comment
BAY9s	**171083**	12 **V**	21 **W**	Halogen		40x10	Pkg. 10	
	171084	24 **V**	21 **W**	Halogen		40x10	Pkg. 10	
 P26s	**171135**	12 **V**	15 **W**	Halogen		36x10	Pkg. 10	

	Item no.	Volt	Watt		Colour	Dim.		Comment
BAY9s	**170742**	12 **V**	21 **W**	Halogen		40x10	Pkg. 10	

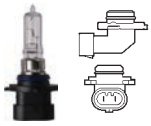
HB1 American Types

	Item no.	Volt	Watt		Colour	Dim.		Comment
P29t	**170692**	12 **V**	6545 **W**	Halogen		95x16.5	Pkg. 10	

HB3 American Types

	Item no.	Volt	Watt		Colour	Dim.		Comment
 P20d	**170693**	12 **V**	65 **W**	Halogen		78x16	Pkg. 10	

HB3 A American Types

	Item no.	Volt	Watt		Colour	Dim.		Comment
 P20d	**171804**	12 **V**	60 **W**	Halogen		70.9	Pkg. 10	

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#Available while stock last, * Program development.

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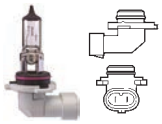
HB4 American Types

Item no.	Volt	Watt		Colour	Dim.	Comment
170694	12 **V**	55 **W**	Halogen		78x16	Pkg. 10



P22d

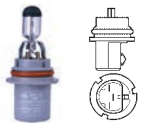
HB4 A American Types

Item no.	Volt	Watt		Colour	Dim.	Comment
171794	12 **V**	51 **W**	Halogen		80.3	Pkg. 1

P22d

HB5 American Types

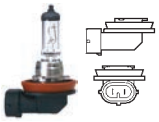
Item no.	Volt	Watt		Colour	Dim.	Comment
171039	12 **V**	6555 **W**	Halogen		102x17	Pkg. 10



PX29t

H8 American Types

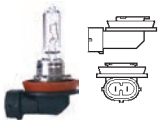
Item no.	Volt	Watt		Colour	Dim.	Comment
171034	12 **V**	35 **W**	Halogen		41x11.7	Pkg. 10



PGJ19-1

H9 American Types

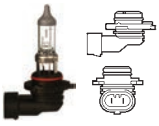
Item no.	Volt	Watt		Colour	Dim.	Comment
171035	12 **V**	65 **W**	Halogen		41x11.7	Pkg. 10



PGJ19-5

H10 American Types

Item no.	Volt	Watt		Colour	Dim.	Comment
171036	12 **V**	42 **W**	Halogen			Pkg. 10



PY20d

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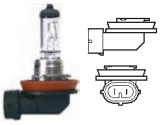
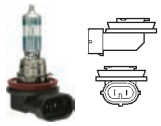
Available while stock last, * Program development.

H11 American Types

	Item no.	Volt	Watt			Colour	Dim.		Comment
 PGJ19-2	**171037**	12 **V**	55 **W**	Halogen			41x11.7	Pkg. 10	

	Item no.	Volt	Watt			Colour	Dim.		Comment
 PGJ19-2	**171690**	12 **V**	55 **W**	Halogen	Nightbreaker		44	Pkg. 10	*Up to 90% more light. Up to 35 m longer beam. Up to 10% whiter light.*

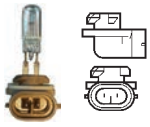
H13 Halogen

	Item no.	Volt	Watt			Colour	Dim.		Comment
P26.4t	**171796**	12 **V**	60/55 **W**	Halogen			86	Pkg. 10	

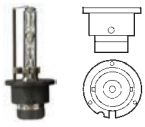
H27W/1 American Types

	Item no.	Volt	Watt			Colour	Dim.		Comment
PG13	**171009**	12 **V**	27 **W**	Halogen				Pkg. 10	
W2.5x16q	**170710**	12 **V**	27/7 **W**				53x26.5	Pkg. 10	
	170711	12 **V**	27/7 **W**			Orange	53x26.5	Pkg. 10	*19.4/2.2 CP.*

H27W/2 American Types

	Item no.	Volt	Watt			Colour	Dim.		Comment
 PGJ13	**171010**	12 **V**	27 **W**	Halogen				Pkg. 10	
	170726	12 **V**	37.5 **W**	Halogen				Pkg. 10	
	170951	12 **V**	50 **W**	Halogen				Pkg. 10	

High Intensity Discharge

	Item no.	Volt	Watt			Colour	Dim.		Comment
 P32d-2	**171133**		35 **W**	Electronic gas	D2S	4150K	73x13.7	Pkg. 10	

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#Available while stock last, * Program development.

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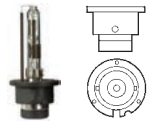
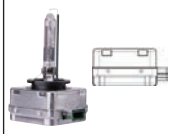
OSRAM	Item no.	Volt	Watt		Colour	Dim.	Comment
 P32d-3	**171132**		35 **W**	Electronic gas D2R	4150K	73x13.7	Pkg. 1
P32d-5	**171713**		35 **W**	Electronic gas D4S	4150K		Pkg. 10
P32d-6	**171711**		35 **W**	Electronic gas D4R	4150K		Pkg. 10
 PK-32d-6	**171710**		35 **W**	Electronic gas D3R	4150K		Pkg. 10
PK32d-2	**171613**		35 **W**	Electronic gas D1S	4150K	82x41x41	Pkg. 1
PK32d-3	**171683**		35 **W**	Electronic gas D1R	4150K		Pkg. 1
PK32d-5	**171712**		35 **W**	Electronic gas D3S	4150K		Pkg. 1

Stop and Tail Lamps

HC CAR GO	Item no.	Volt	Watt		Colour	Dim.	Comment
BAY15d	**170770**	12 **V**	21/5 **W**			50x25	Pkg. 10
	171092	24 **V**	21/5 **W**			50x25	Pkg. 10
BAZ15d	**171093**	12 **V**	21/4 **W**			50x25	Pkg. 10

John	Item no.	Volt	Watt		Colour	Dim.	Comment
BAY15d	**171476**	6 **V**	21/5 **W**				Pkg. 10
	170337	12 **V**	20/5 **W**				Pkg. 10
	170336	12 **V**	21/5 **W**				Pkg. 10
	170659	12 **V**	21/5 **W**	Longlife			Pkg. 10
	170724	12 **V**	26/8 **W**				Pkg. 10
	170453	24 **V**	20/5 **W**				Pkg. 10
	170452	24 **V**	21/5 **W**				Pkg. 10

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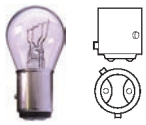
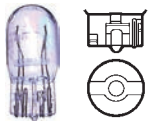
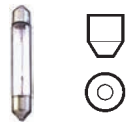
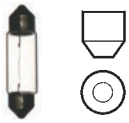
Available while stock last, * Program development.

John	Item no.	Volt	Watt	Colour	Dim.		Comment
 BAZ15d	**170644**	12 **V**	21/4 **W**			Pkg. 10	
	170850	24 **V**	21/4 **W**			Pkg. 10	
 T20	**170776**	12 **V**	21/5 **W**		44x20	Pkg. 10	

Festoon

CarGo	Item no.	Volt	Watt	Colour	Dim.		Comment
S8.5	**171487**	6 **V**	10 **W**		36x10.5	Pkg. 10	
	171094	12 **V**	5 **W**		36x10.5	Pkg. 10	
	171097	12 **V**	5 **W**		41x10.5	Pkg. 10	
	171095	12 **V**	10 **W**		36x10.5	Pkg. 10	
	171098	12 **V**	10 **W**		41x10.5	Pkg. 10	
	171120	12 **V**	21 **W**		41x15	Pkg. 10	
	171096	24 **V**	5 **W**		36x10.5	Pkg. 10	
	171099	24 **V**	5 **W**		41x10.5	Pkg. 10	
	171100	24 **V**	10 **W**		41x10.5	Pkg. 10	

John	Item no.	Volt	Watt	Colour	Dim.		Comment
 S6	**170591**	12 **V**	3 **W**		33x8.5	Pkg. 10	
S7	**171485**	6 **V**	3 **W**		28x8	Pkg. 10	
	170590	12 **V**	3 **W**		28x8	Pkg. 10	
 S8.5	**171484**	6 **V**	5 **W**		36x10.5	Pkg. 10	
	171488	6 **V**	5 **W**		41x10.5	Pkg. 10	
	171489	6 **V**	10 **W**		41x10.5	Pkg. 10	
	171486	6 **V**	15 **W**		41x15	Pkg. 10	
	171479	6 **V**	18 **W**		41x15	Pkg. 10	
	170341	12 **V**	5 **W**		36x10.5	Pkg. 10	
	170343	12 **V**	5 **W**		41x10.5	Pkg. 10	
	170005	12 **V**	10 **W**		28x10	Pkg. 10	
	170344	12 **V**	10 **W**		41x10.5	Pkg. 10	
	170411	12 **V**	10 **W**		36x10.5	Pkg. 10	
	170342	12 **V**	15 **W**		41x15	Pkg. 10	
	170588	12 **V**	18 **W**		41x15	Pkg. 10	
	171139	12 **V**	21 **W**		41x15	Pkg. 10	
	170414	24 **V**	5 **W**		36x10.5	Pkg. 10	
	170415	24 **V**	5 **W**		41x10.5	Pkg. 10	
	170592	24 **V**	15 **W**		41x15	Pkg. 10	
	170589	24 **V**	18 **W**		41x15	Pkg. 10	

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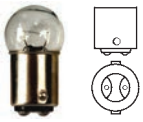
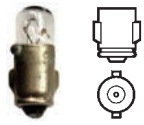
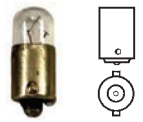
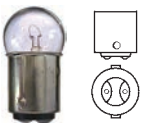
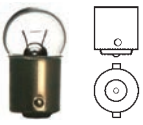
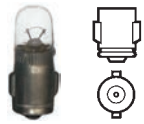
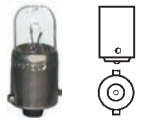
Parking and Flasher - Postion

Item no.	Volt	Watt		Colour	Dim.		Comment
 BA15d							
171102	24 V	5 W			35x18.5	Pkg. 10	
BA15S							
170773	12 V	5 W			35x18.5	Pkg. 10	
170794	24 V	5 W			35x18.5	Pkg. 10	
171118	24 V	5 W			35x18.5	Pkg. 10	
 BA7s							
171119	12 V	2 W			19x6.8	Pkg. 10	
 BA9s							
171103	12 V	2 W			23x8.6	Pkg. 10	
170774	12 V	4 W			27.4x8.6	Pkg. 10	
170822	12 V	4 W			27.4x8.6	Pkg. 10	
170796	24 V	2 W			23x8.6	Pkg. 10	
170795	24 V	4 W			27.4x8.6	Pkg. 10	
T15							
171401	12 V	5 W			36x15	Pkg. 10	

Item no.	Volt	Watt		Colour	Dim.		Comment
 BA15d							
170593	12 V	5 W			35x18.5	Pkg. 10	
170482	24 V	5 W				Pkg. 10	
 BA15S							
171481	6 V	5 W			35x18.5	Pkg. 10	
171480	6 V	10 W			35x18.5	Pkg. 10	
171472	6 V	18 W			45x26.5	Pkg. 10	
170340	12 V	5 W			35x18.5	Pkg. 10	
170660	12 V	5 W	Longlife		35x18.5	Pkg. 10	
170339	12 V	10 W			35x19	Pkg. 10	
170413	24 V	5 W			35x18.5	Pkg. 10	
170455	24 V	5 W			35x18.5	Pkg. 10	
 BA7s							
171482	6 V	6 W		White	35x18.5	Pkg. 10	
171483	6 V	15 W		White	20.7x6.8	Pkg. 10	
170448	12 V	2 W			20.7x6.8	Pkg. 10	
170456	24 V	3 W			20.7x6.8	Pkg. 10	
 BA9s							
171491	6 V	2 W			27.4x8.6	Pkg. 10	
171492	6 V	4 W			27.4x8.6	Pkg. 10	
170345	12 V	2 W			23x8.6	Pkg. 10	
170594	12 V	3 W			23x8.6	Pkg. 10	
170346	12 V	4 W			27.4x8.6	Pkg. 10	
170580	12 V	5 W			29x15.5	Pkg. 10	
170416	24 V	2 W			23x8.6	Pkg. 10	
170474	24 V	3 W			23x8.6	Pkg. 10	
170417	24 V	4 W			27.4x8.6	Pkg. 10	
170503	24 V	4 W			27.4x8.6	Pkg. 10	

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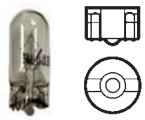
Wedge Base

Item no.	Volt	Watt	Colour	Dim.		Comment
171121	12 **V**	2 **W**		26x10	Pkg. 10	
171104	12 **V**	3 **W**		26x10	Pkg. 10	
170948	12 **V**	5 **W**	Xenon blue	26x10.3	Pkg. 10	*Brighter light as standard.*
171105	12 **V**	5 **W**		26x10	Pkg. 10	
171122	12 **V**	5 **W**	Blue	26x10	Pkg. 10	
171123	12 **V**	5 **W**	Orange	26x10	Pkg. 10	
170810	12 **V**	8 **W**		26x10	Pkg. 10	
171106	24 **V**	3 **W**		26x10	Pkg. 10	
171107	24 **V**	5 **W**		26x10	Pkg. 10	

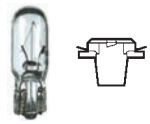


T10

170775	12 **V**	1.2 **W**		20x5	Pkg. 10	
171108	24 **V**	1.2 **W**		20x5	Pkg. 10	

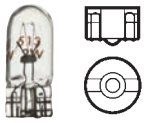
T5

171391	12 **V**	3 **W**		20x7	Pkg. 10	



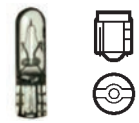
T7

Item no.	Volt	Watt		Colour	Dim.		Comment
170725	12 **V**	2 **W**				Pkg. 10	
170331	12 **V**	3 **W**				Pkg. 10	
170778	12 **V**	3 **W**		Orange		Pkg. 10	
170779	12 **V**	3 **W**		Green		Pkg. 10	
170780	12 **V**	3 **W**		Blue		Pkg. 10	
170781	12 **V**	3 **W**		Red		Pkg. 10	
170347	12 **V**	5 **W**				Pkg. 10	
170662	12 **V**	5 **W**	Longlife			Pkg. 10	
170754	12 **V**	5 **W**		Orange		Pkg. 10	
170476	24 **V**	3 **W**				Pkg. 10	
170805	24 **V**	3 **W**		Orange		Pkg. 10	
170806	24 **V**	3 **W**		Green		Pkg. 10	
170807	24 **V**	3 **W**		Blue		Pkg. 10	
170808	24 **V**	3 **W**		Red		Pkg. 10	
170542	24 **V**	5 **W**				Pkg. 10	



T10

170410	12 **V**	1.2 **W**		20x5,	Pkg. 10	
170617	12 **V**	1.2 **W**	Frosted	20x5	Pkg. 10	
171283	12 **V**	2 **W**		20x5	Pkg. 10	
170684	24 **V**	0.7 **W**		20x5	Pkg. 10	
170477	24 **V**	1.2 **W**		20x5	Pkg. 10	
171386	24 **V**	2 **W**		20x5	Pkg. 10	



T5

Instrument Panel

Item no.	Volt	Watt	Colour	Dim.		Comment
171109	12 **V**	1.2 **W**		17.5x5	Pkg. 10	
171381	12 **V**	1.2 **W**		17.5x5	Pkg. 10	
171023	12 **V**	1.5 **W**		17.5x5	Pkg. 10	
171110	12 **V**	2 **W**		17.5x5	Pkg. 10	
171030	24 **V**	1.2 **W**		16.5x5	Pkg. 10	

B8.4d

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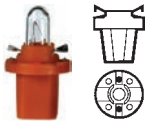
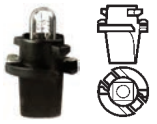
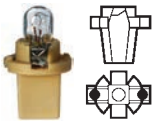
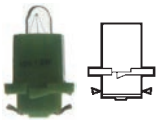
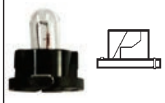
Item no.	Volt	Watt	Colour	Dim.		Comment
 B8.5d						
171380	12 **V**	0.36 **W**		21x5	Pkg. 10	
171379	12 **V**	1 **W**		21x5	Pkg. 10	
171024	12 **V**	1.2 **W**		21x5	Pkg. 10	
171383	12 **V**	1.5 **W**		21x5	Pkg. 10	
171028	24 **V**	1.2 **W**		21x5	Pkg. 10	
B8.7d						
171455	12 **V**	2 **W**		16.5x5	Pkg. 10	
 BX2d						
171284	12 **V**	1.2 **W**		21.5x5	Pkg. 10	
 EBSN10						
171377	24 **V**	1.2 **W**		20x6	Pkg. 10	*Alba - type.*
 EBSR11						
171031	12 **V**	1.2 **W**		20x5	Pkg. 10	*Alba - type.*
170698	12 **V**	1.8 **W**		20x5	Pkg. 10	
171025	24 **V**	1.2 **W**		21x5	Pkg. 10	
171026	24 **V**	1.2 **W**		21x5	Pkg. 10	
171285	24 **V**	1.2 **W**	Frosted	20x5	Pkg. 10	
171032	24 **V**	1.4 **W**		21x5	Pkg. 10	
 F4.8						
171112	14 **V**	1.2 **W**		13x4.8	Pkg. 10	
MFHZ						
171382	12 **V**	1.2 **W**		38x5	Pkg. 10	
MFJF						
171384	12 **V**	1.2 **W**		35x5	Pkg. 10	
171837	12 **V**	2 **W**		35x5		
T-1/4						
170364	14 **V**	1.12 **W**		10.5x4	Pkg. 10	
T-1/4NW						
170762	14 **V**	0.8 **W**		9x3.4	Pkg. 10	
171389	14 **V**	1.4 **W**		11x3.5	Pkg. 10	
T-3/4						
170972	12 **V**	0.6 **W**		6.5x2.5	Pkg. 10	*Used as locating light Lighting - Bulbs in switches on japanese vehicles.*

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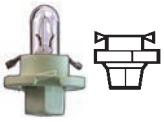
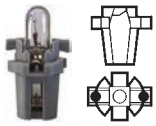
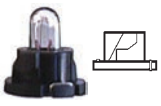
Item no.	Volt	Watt	Colour	Dim.		Comment
T5						
171388	12 **V**	0.4 **W**	Frosted	20x5	Pkg. 10	
T7						
171111	14 **V**	2 **W**		23x7	Pkg. 10	

Item no.	Volt	Watt	Colour	Dim.		Comment
B8.3d						
170612	12 **V**	1.2 **W**		23.5x5	Pkg. 10	
170613	24 **V**	1.2 **W**		23.5x5	Pkg. 10	
 B8.4d						
171033	12 **V**	1.12 **W**		17.5x5	Pkg. 10	
170727	12 **V**	1.2 **W**		17.5x5	Pkg. 10	
170756	12 **V**	2 **W**		17.5x5	Pkg. 10	
B8.5d						
170357	12 **V**	1.2 **W**		23.5x5	Pkg. 10	
170610	12 **V**	2 **W**		23.5x5	Pkg. 10	
170358	24 **V**	1.2 **W**		23.5x5	Pkg. 10	
 B8.7d						
170545	12 **V**	1.2 **W**		23.5x5	Pkg. 10	
EBSR10						
171454	24 **V**	1.2 **W**	Frosted	20x5	Pkg. 10	
 F4.8						
170753	14 **V**	1.4 **W**		12x5	Pkg. 10	
T5						
170755	12 **V**	0.5 **W**		19.5x5	Pkg. 10	
170758	12 **V**	1.2 **W**		20x5	Pkg. 10	
170782	12 **V**	1.2 **W**	Orange	20x5	Pkg. 10	
170783	12 **V**	1.2 **W**	Green	20x5	Pkg. 10	
170784	12 **V**	1.2 **W**	Blue	20x5	Pkg. 10	
170785	12 **V**	1.2 **W**	Red	20x5	Pkg. 10	
T7						
170757	14 **V**	2 **W**		23.5x5	Pkg. 10	

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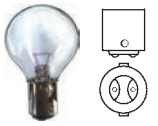
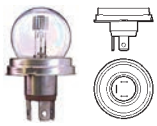
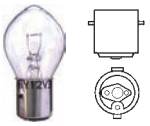
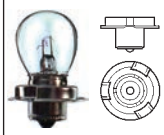
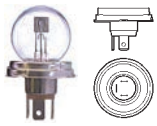
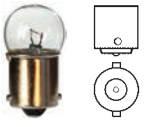
Conventional

	Item no.	Volt	Watt		Colour	Dim.		Comment
 BA15d	**170950**	12 **V**	36/36 **W**			60x40	Pkg. 10	
 P45t	**170771**	12 **V**	45/40 **W**	Bilux		77x41	Pkg. 10	

	Item no.	Volt	Watt	Colour	Dim.		Comment
BA15S	**170577**	12 **V**	45 **W**		53x36	Pkg. 1	*For US and UK systems.*
	170578	24 **V**	45 **W**			Pkg. 10	*For US and UK systems.*
BA20d	**171623**	6 **V**	15 **W**			Pkg. 10	
	171531	6 **V**	35/35 **W**		70x36	Pkg. 10	
	170814	12 **V**	25/25 **W**		70x36	Pkg. 10	
	170815	12 **V**	35/35 **W**		70x36	Pkg. 10	
	170573	12 **V**	45/40 **W**		70x36	Pkg. 10	
	170574	24 **V**	45/40 **W**		70x36	Pkg. 10	
 BA20s	**170575**	12 **V**	35 **W**		66x36	Pkg. 10	
	170579	12 **V**	50 **W**		66x36	Pkg. 10	*For German and Italian systems.*
 P26s	**170816**	12 **V**	15 **W**		46x25.5	Pkg. 10	
 P45t	**171477**	6 **V**	45/40 **W**	Bilux	77x41	Pkg. 10	
	170338	12 **V**	45/40 **W**	Bilux	77x41	Pkg. 10	
	170350	24 **V**	55/50 **W**	Bilux	77x41	Pkg. 10	

Electric Vehicles and Forklifts

	Item no.	Volt	Watt	Colour	Dim.		Comment
 BA15S	**171410**	48 **V**	10 **W**		35x16	Pkg. 10	
	171408	48 **V**	25 **W**		50x25	Pkg. 10	
BAY15d	**171458**	48 **V**	25 **W**		50x25	Pkg. 10	
	171411	48 **V**	25/10 **W**		50x25	Pkg. 10	

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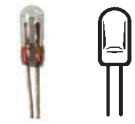
Flash and Penlight

Item no.	Volt	Watt	Colour	Dim.	Comment
171275	2.4 **V**			13x3	Pkg. 2


2P

Item no.	Volt	Watt	Colour	Dim.	Comment
170509	12 **V**	3 **W**		24x11.5	Pkg. 10
170674	24 **V**	2 **W**		24x11.5	Pkg. 10

E10

Item no.	Volt	Watt	Colour	Dim.	Comment
171278	2.4 **V**		Krypton	30x11	Pkg. 10
170201	2.5 **V**			30x11	Pkg. 10
171280	4.8 **V**		Krypton	30x11	Pkg. 10

P13.5s

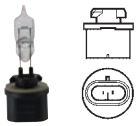
Wedge Base - Covers

Item no.	Volt	Watt	Colour	Dim.	Comment
170731			Blue		Pkg. 25
170732			Green		
171127			Orange		

Item no.	Volt	Watt	Colour	Dim.	Comment
171128			Blue		Pkg. 10
171129			Green		Pkg. 10
171130			Red		Pkg. 10
171131			Orange		Pkg. 10

Halogen

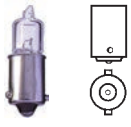
Item no.	Volt	Watt		Colour	Dim.	Comment
171748	12 **V**	50 **W**	Halogen			Pkg. 10


PG13

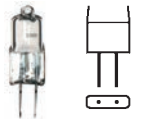
Item no.	Volt	Watt		Colour	Dim.	Comment
171747	12 **V**	27 **W**				Pkg. 10

W2.5x16d

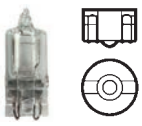
Item no.	Volt	Watt		Colour	Dim.	Comment
170470	12 **V**	5 **W**	Halogen		33x9	Pkg. 10
170502	12 **V**	12 **W**	Halogen		33x9	Pkg. 10
170380	12 **V**	20 **W**	Halogen		35x9	Pkg. 10


BA9s

Item no.	Volt	Watt		Colour	Dim.	Comment
171425	12 **V**	5 **W**	Halogen		30x8	Pkg. 10
170712	12 **V**	10 **W**	Halogen		30x8	Pkg. 5
170749	12 **V**	20 **W**	Halogen		30x8	Pkg. 5
170848	24 **V**	10 **W**	Halogen		30x8	Pkg. 5
170750	24 **V**	20 **W**	Halogen		30x8	Pkg. 5


G4

Item no.	Volt	Watt		Colour	Dim.	Comment
171124	12 **V**	5 **W**	Halogen		33x9	Pkg. 10


T10

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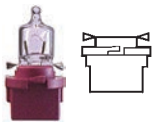
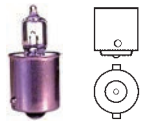
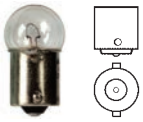
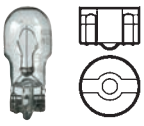
John	Item no.	Volt	Watt		Colour	Dim.		Comment
 B10d	**170751**	12 **V**	3 **W**	Halogen		27.8x8.8	Pkg. 10	
	170752	12 **V**	5 **W**	Halogen		27.8x8.8	Pkg. 10	
 BA15S	**170839**	12 **V**	10 **W**	Halogen		37.5x10	Pkg. 10	

Stop and Flasher - Position

CAR GO	Item no.	Volt	Watt	Colour	Dim.		Comment
BA15d	**171088**	24 **V**	15 **W**		43x23	Pkg. 10	
 BA15S	**170772**	12 **V**	10 **W**		35x18	Pkg. 10	
	170769	12 **V**	21 **W**		50x25	Pkg. 10	
	171091	12 **V**	21 **W**	Orange	50x25	Pkg. 10	
	170793	24 **V**	10 **W**		35x18	Pkg. 10	
	171076	24 **V**	10 **W**		35x18	Pkg. 10	
	171086	24 **V**	15 **W**		43x23	Pkg. 10	
	170826	24 **V**	21 **W**		50x25	Pkg. 10	
	171078	24 **V**	21 **W**		50x25	Pkg. 10	
BAU15s	**171089**	12 **V**	21 **W**	Orange	50x25	Pkg. 10	
	171371	12 **V**	21 **W**	Silver/amber	50x25		
	171090	24 **V**	21 **W**	Orange	50x25		
PG20/4	**171869**	12 **V**	24 **W**	Orange			*300lm.*
 T13	**171390**	12 **V**	10 **W**		30x13	Pkg. 10	
T15	**171402**	12 **V**	10 **W**		36x15	Pkg. 10	
	171403	12 **V**	21 **W**		36x15	Pkg. 10	

John	Item no.	Volt	Watt	Colour	Dim.		Comment
	170581	12 **V**	25 **W**		26	Pkg. 10	

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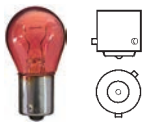
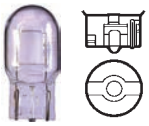
John	Item no.	Volt	Watt		Colour	Dim.		Comment
BA15d	**170583**	12 **V**	15 **W**			45x26.5	Pkg. 10	
	170585	12 **V**	20 **W**			45x26.5	Pkg. 10	
	170673	12 **V**	20/5 **W**				Pkg. 10	
	170507	24 **V**	15 **W**			45x26.5	Pkg. 10	
	170481	24 **V**	20 **W**			45x26.5	Pkg. 10	
BA15S	**171471**	6 **V**	20 **W**			45x26.5	Pkg. 10	
	171475	6 **V**	21 **W**				Pkg. 10	
	170663	12 **V**	10 **W**	Longlife		35x19	Pkg. 10	
	170582	12 **V**	15 **W**			45x26.5	Pkg. 10	
	170584	12 **V**	15 **W**			35x19	Pkg. 10	
	170586	12 **V**	18 **W**			45x26.5	Pkg. 10	
	170335	12 **V**	21 **W**		809008		Pkg. 10	
	170658	12 **V**	21 **W**	Longlife			Pkg. 10	
	170351	24 **V**	10 **W**			35x19	Pkg. 10	
	170454	24 **V**	10 **W**			35x15	Pkg. 10	
	170480	24 **V**	15 **W**			45x26.5	Pkg. 10	
	170938	24 **V**	15 **W**			35x19	Pkg. 10	
	170761	24 **V**	18 **W**			45x26.5	Pkg. 10	
	170483	24 **V**	20 **W**			45x26.5	Pkg. 10	
	170349	24 **V**	21 **W**				Pkg. 10	
	170451	24 **V**	21 **W**				Pkg. 10	
	170614	24 **V**	25 **W**			45x26.5	Pkg. 10	
 BAU15s	**170849**	24 **V**	21 **W**		Orange		Pkg. 10	
T16	**170813**	12 **V**	16 **W**			37x15	Pkg. 10	
 T20	**170777**	12 **V**	21 **W**		Orange	44x20	Pkg. 10	
	171398	12 **V**	21 **W**			44x20	Pkg. 10	

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Spare Lamp Kits

For Cars

Jahn

171040

171042

171043

Dimensions: 90 x 90 x 57 mm.

Contains:

CARGO	TYPE	Jahn Ref. No.	Description	H4 171040	H7 171042	H1/H7 171043
170804	H4	1134	12 V. 60/55 W. P43t.	1		
170332	H1	1111	12 V. 55 W. P14.5s.			1
170720	H7	1117	12 V. 55 W. PX 26d.		1	1
170335	P12W	1321	12 V. 21 W. BAY15s.	1	1	1
170336	P21/5W	1341	12 V. 21/5W. BAY15d.	1	1	1
170648	PY21W	1383	12 V. 21W. BAU15s.		1	1
170347	W5W	1621	12 V. 5 W. W2.1 x 9.5d.		1	1
170340	R5W	1401	12 V. 5 W. BA15s.	1	1	
170341	C5W	1711	12 V. 5 W. SV8.5.		1	1
170346	T4W	1501	12 V. 5 W. SV8.5.	1		
190057	ATO blade fuse		10 Amp. Red.	1	1	1
190058	ATO blade fuse		15 Amp. Blue.	1	1	1
190059	ATO blade fuse		20 Amp. Yellow.	1	1	1

For Trucks and Busses

Jahn

Contains:

CARGO	TYPE	Jahn Ref. No.	Description	H4 171044
170348	H4	1102	24 V. 75/70W P43t.	2
170417	T4W	1502	24 V. 4 W. BA9s.	2
170413	R5W	1402	24 V. 5 W. BA15s.	1
170351	R10W	1412	24 V. 10 W. BA15s.	1
170349	P21W	1322	24 V. 21 W. BA15s.	4
170416	T2W	1512	24 V. 2 W. BA9s.	2
170475	Fest. T10.5	1732	24 V. 10 W. SV8.5.	1
170414	C5W	1712	24 V. 5 W. SV8.5.	1
190057	ATO blade fuse		10 Amp. Red.	1
190058	ATO blade fuse		15 Amp. Blue.	1
190059	ATO blade fuse		20 Amp. Yellow.	1
190060	ATO blade fuse		25 Amp. Natural.	1

171044

Dimensions: 210 x 95 x 60 mm.

O.E.M. names and numbers are used for reference purposes only.

All measurements are in mm, unless else stated.
Available while stock last, * Program development.

All measurements are in mm, unless else stated.
#Available while stock last, * Program development.

O.E.M. names and numbers are used for reference purposes only.

Application List

Alternators & Starters

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

Agco Allis											
AGRICULTURE											
8745	[4-268]						01.98-	01.00	**110615**	12	2.8
8765	[4-268]						01.98-	01.00	**110615**	12	2.8
8775	[6-402]						01.98-	01.00	**110615**	12	2.8
8785	[6-402]						01.98-	01.00	**110615**	12	2.8
Agco White											
AGRICULTURE											
6124	[Cummins 6-359]						01.94-	01.97	**113452**	12	2.5
6125	[Cummins 6-359]						01.93-	01.97	**113452**	12	2.5
6144	[Cummins 6-359]						01.94-	01.97	**113452**	12	2.5
6145	[Cummins 6-359]						01.93-	01.97	**113452**	12	2.5
6410 3.9	[Cummins]						01.98-	01.00	**110615**	12	2.8
6510 3.9	[Cummins]						01.98-	01.00	**110615**	12	2.8
6710	[Cummins 6-359]						01.98-	01.00	**110615**	12	2.8
6810	[Cummins 6-359]						01.98-	01.00	**110615**	12	2.8
8310	[Cummins 6-359]						01.98-	01.00	**113452**	12	2.5
8410	[Cummins 6-359]						01.98-	01.00	**113452**	12	2.5
Agrifull											
AGRICULTURE											
Various Models		08.83-		**111662**	14	33	01.85-		**110529**	12	3.0
		01.80-		**110899**	14	33	09.80-		**110813**	12	2.7
Allis Chalmers											
AGRICULTURE											
310		01.80-	01.90	**110639**	14	36	01.80-	12.90	**110640**	12	3.0
340		01.80-	01.85	**110639**	14	36	01.80-	12.85	**110640**	12	3.0
350		01.74-	01.89	**110639**	14	36					
360		01.77-	01.91	**110639**	14	36	01.77-	01.91	**110640**	12	3.0
445		01.74-	01.89	**110639**	14	36	01.74-	01.89	**110640**	12	3.0
460		01.77-	01.91	**110639**	14	36	01.77-	01.91	**110640**	12	3.0
500		01.80-	01.85	**110639**	14	36	01.80-	01.85	**110640**	12	3.0
510		01.79-	01.90	**110639**	14	36	01.79-	01.90	**110640**	12	3.0
610		01.79-	01.90	**110639**	14	36	01.79-	01.90	**110640**	12	3.0
Various Models		01.75-		**110639**	14	36	01.84-	01.85	**110604**	12	2.8
		01.91-		**111419**	28	55	01.77-	01.97	**110640**	12	3.0
							01.77-	01.83	**110813**	12	2.7
							01.70-	01.83	**110615**	12	2.8
		01.86-	01.93	**111713**	14	105	01.74-	12.75	**110491**	12	1.4
		01.72-	01.82	**112260**	14	80	01.74-	01.86	**112268**	12	2.8
Various Models FD 3,5,7,9,10		10.90-		**111419**	28	55					
Various Models FL 4,7,8,9,10,14,20		11.70-	07.78	**110611**	14	44					
		03.86-	01.92	**111419**	28	55					
		01.73-	06.81	**112097**	28	30					
Various Models FR 9,10,35,130,160,220		01.85-		**111419**	28	55					
BCS											
AGRICULTURE											
270							12.86-		**112171**	12	1.1
303							12.86-		**112171**	12	1.1
							06.78-		**112034**	12	1.7
603							06.90-		**112171**	12	1.1
622							01.68-		**112034**	12	1.7
701							03.86-		**112171**	12	1.1
735							04.88-		**112171**	12	1.1
737							07.89-		**112171**	12	1.1
745							01.84-		**112171**	12	1.1 GR
							01.84-		**112034**	12	1.7 DD
Belarus											
AGRICULTURE											
400									**113431**	12	3.0
420									**113431**	12	3.0
425									**113431**	12	3.0
500							01.79-	01.91	**111350**	12	3.0
505							01.79-	01.91	**111350**	12	3.0
520							01.79-	01.91	**111350**	12	3.0
525							01.79-	01.91	**111350**	12	3.0
530							01.94-	01.96	**111350**	12	3.0
532							01.94-	01.96	**111350**	12	3.0
560							01.92-	01.96	**111350**	12	3.0
562							01.92-	01.96	**111350**	12	3.0
5111									**111350**	12	3.0
5145									**111350**	12	3.0
MTZ 100	[D240T]								**112488**	12	2.7
MTZ 1221 7.2	[D-260.2]								**113356**	24	3.5
MTZ 142	[D181T]								**112488**	12	2.7
MTZ 145	[D260T]								**112488**	12	2.7
MTZ 1522 7.2	[D-260.6]								**113356**	24	3.5

MTZ 80	[D240]								**112488**	12 2.7
MTZ 890	[D-245.5]								**113356**	24 3.5
Various Models									**113431**	12 3.0
									112488	12 2.7
Benford										
AGRICULTURE										
Various Models									**113269**	12 3.0
Buhrer										
AGRICULTURE										
Various Models							01.71-		**110439**	12 2.0
							01.72-	01.73	**110462**	12 2.8
Case										
AGRICULTURE										
100 B							10.72-	12.79	**111752**	12 2.7
110	[Cummins 6BT]	05.97-		**111843**	14 95					
		05.97-		**111888**	14 65					
120	[Cummins 6BT]	05.97-		**111843**	14 95					
		05.97-		**111888**	14 65					
125 B							10.72-	12.79	**111752**	12 2.7
135	[Cummins 6BT]	05.97-		**111843**	14 95					
		05.97-		**111888**	14 65					
221							10.72-	12.79	**111752**	12 2.7
250							01.57-	01.61	**110438**	12 2.1
275							01.59-	01.68	**110438**	12 2.1
276							01.69-	01.72	**110438**	12 2.1
305	[Cummins MU7]	01.06-		**114469**	14 175					
321		01.86-		**110077**	14 50		11.72-	06.86	**111752**	12 2.7
		10.76-		**110641**	14 33					
384		01.67-	01.82	**110178**	14 36					
414							01.61-	01.66	**110438**	12 2.1
421							10.76-		**113269**	12 3.0
		01.86-		**110641**	14 33		10.76-		**111752**	12 2.7
431		01.72-		**110641**	14 33		11.72-	12.85	**111752**	12 2.7
		01.86-		**110077**	14 50					
433		02.77-	12.85	**111662**	14 33		01.86-		**112135**	12 3.1
434							01.69-	01.73	**110438**	12 2.1
444							01.72-	01.78	**110438**	12 2.1
450 C		01.89-	01.94	**111843**	14 95		01.87-	01.94	**110627**	12 2.5
		01.89-	01.94	**111888**	14 65					
454		01.72-		**110178**	14 36		01.72-		**112660**	12 2.8
		01.82-		**111185**	14 43					
455		01.89-	01.94	**112170**	28 50					
		01.89-	01.94	**111888**	14 65					
		01.89-	01.94	**111843**	14 95					
474		01.72-		**110178**	14 36				**112660**	12 2.8
		01.82-		**111185**	14 43					
475		01.82-		**111185**	14 43					
480 CK		01.89-	01.94	**111843**	14 95		01.79-	01.88	**110627**	12 2.5
		01.89-	01.94	**111888**	14 65					
484		01.82-		**111185**	14 43					
485		01.85-	01.90	**111713**	14 105					
		01.82-		**111185**	14 43					
485		01.82-		**111185**	14 43		01.89-	01.93	**112660**	12 2.8
		01.89-	01.93	**110508**	14 78					
500		01.75-	01.78	**110178**	14 36					
531		01.86-		**110077**	14 50		01.86-	06.86	**111752**	12 2.7
		10.76-	06.86	**110641**	14 33					
533		02.77-	12.85	**111662**	14 33		01.86-		**112135**	12 3.1
540		01.88-		**111662**	14 33					
554		01.86-		**110077**	14 50		04.73-		**111752**	12 2.7
		01.86-		**110641**	14 33					
574		01.82-		**111185**	14 43		01.72-		**111752**	12 2.7
		01.72-		**110178**	14 36		01.72-		**112660**	12 2.8
580							01.82-		**110818**	12 2.1
		01.82-	01.94	**111843**	14 95		01.79-	01.87	**110627**	12 2.5
		01.89-	01.94	**111888**	14 65		01.84-	01.92	**113725**	12 2.5
580 C,D	[188D,207D]	01.83-	01.88	**110952**	28 40		01.83-	01.88	**110818**	12 2.1
							01.83-	01.88	**112660**	12 2.8
584		01.82-		**111185**	14 43		01.82-		**112660**	12 2.8
		01.77-	01.80	**110178**	14 36					
585		01.81-		**111185**	14 43		01.82-		**112660**	12 2.8
590 CK							01.92-		**113725**	12 2.5
590 L							01.92-		**113725**	12 2.5
644		01.86-		**110077**	14 50		01.86-	06.86	**111752**	12 2.7
		02.79-		**110641**	14 33					

CASE *continued*

674	01.82-		**111185**	14	43		01.72-		**112660**	12	2.8
	01.72-		**110178**	14	36						
680	01.83-	01.88	**110952**	28	40		01.83-	01.88	**113429**	12	4.2
684	01.82-		**111185**	14	43		01.82-		**112660**	12	2.8
	01.77-	01.80	**110178**	14	36						
685	01.82-		**111185**	14	43		01.82-		**112660**	12	2.8
685 L	01.81-		**111185**	14	43						
724							04.73-	02.75	**111752**	12	2.7
743							04.80-	12.85	**111752**	12	2.7
743 XL							07.81-	12.85	**111752**	12	2.7
743 XLA							07.81-	12.85	**111752**	12	2.7
744	02.74-	06.84	**110641**	14	33		02.74-	06.84	**111752**	12	2.7
745 S							04.80-	12.85	**111752**	12	2.7
745 X							07.81-	12.85	**111752**	12	2.7
745 XLS							07.81-	12.85	**111752**	12	2.7
780	01.83-	01.88	**110952**	28	40						
784	01.82-		**111185**	14	43		01.82-		**112660**	12	2.8
785	01.81-	01.85	**111185**	14	43		01.82-		**112660**	12	2.8
824							06.73-	02.74	**111752**	12	2.7
833	09.81-		**111662**	14	33		09.81-		**112135**	12	3.1
833 A	09.81-		**111662**	14	33		09.81-		**112135**	12	3.1
834							06.73-	02.74	**111752**	12	2.7
844	01.86-	12.90	**110077**	14	50		01.86-	12.90	**111752**	12	2.7
	01.86-	12.90	**110641**	14	33						
850	01.89-	01.94	**111843**	14	95						
	01.89-	01.94	**112170**	28	50						
	01.72-	01.78	**110427**	28	22	PL	01.89-	01.94	**110818**	12	2.1
	01.89-	01.94	**111888**	14	65						
880							01.86-		**112169**	24	4.5
884									**112660**	12	2.8
885	01.72-	01.83	**110178**	14	36		01.72-	01.83	**112660**	12	2.8
	01.81-		**111185**	14	43						
	01.89-	01.94	**111888**	14	65						
895									**112660**	12	2.8
946	01.71-	01.77	**110641**	14	33		04.73-	08.79	**111752**	12	2.7
956 XL	01.85-		**112098**	14	65		01.85-		**111752**	12	2.7
988	11.96-		**112170**	28	50						
990	01.75-		**110178**	14	36		01.69-		**110818**	12	2.1
	01.82-		**111185**	14	43						
995	01.82-		**111185**	14	43		01.72-		**110818**	12	2.1
									112660	12	2.8
996	01.81-		**111185**	14	43		01.76-		**110818**	12	2.1
	01.75-		**110178**	14	36						
1000	01.71-	01.75	**110641**	14	33						
1046							04.73-	08.79	**111752**	12	2.7
1056	01.86-		**112098**	14	65						
1150	01.89-	01.94	**112170**	28	50						
	01.73-	01.78	**110427**	28	22	PL					
	01.89-	01.94	**111888**	14	65						
	01.89-	01.94	**111843**	14	95						
1150 E	01.89-	01.94	**111843**	14	95						
	01.89-	01.94	**112170**	28	50						
	01.89-	01.94	**111888**	14	65						
1155 E	01.89-	01.94	**111843**	14	95						
	01.89-	01.94	**111888**	14	65						
1190	01.83-		**111185**	14	43						
1194	01.80-	01.85	**111185**	14	43						
1200							01.69-	01.71	**110818**	12	2.1
1210	01.75-		**110178**	14	36		01.72-	01.81	**110818**	12	2.1
1212	01.72-	01.75	**110178**	14	36		01.72-	01.81	**110818**	12	2.1
1290	01.80-	01.82	**110179**	14	36		01.80-	01.83	**110818**	12	2.1
	01.79-	01.85	**111185**	14	43						
1294 3.6							01.84-	06.89	**111499**	12	2.8
							01.84-	06.89	**110818**	12	2.1
1390	01.82-		**111185**	14	43		01.80-	01.83	**110818**	12	2.1
	01.79-	01.85	**110179**	14	36						
1394	01.80-	01.88	**111185**	14	43		01.84-		**110818**	12	2.1
	01.84-		**110968**	14	70		01.84-		**111499**	12	2.8
	01.84-		**113574**	14	65						
	01.80-	01.88	**111204**	14	70						
1410	01.75-	01.81	**110178**	14	36						
1412	01.75-	01.81	**110178**	14	36						
1450	01.79-	01.86	**110952**	28	40	PL					
	01.72-	01.78	**110427**	28	22	PL					
1490	01.84-		**111185**	14	43		01.80-	01.83	**110818**	12	2.1

1494		01.79- 01.87	**111185**	14 43		01.84-	**111499**	12	2.8
		01.84-	**110968**	14 70					
		01.79- 01.87	**111204**	14 70					
		01.84-	**113574**	14 65					
1550		01.89- 01.94	**111843**	14 95					
		01.89- 01.94	**111888**	14 65					
1594		01.84-	**110968**	14 70		01.84-	**111499**	12	2.8
		01.83- 01.88	**111204**	14 70					
		01.84-	**113574**	14 65					
1620						01.85- 01.94	**113726**	12	3.0
							113429	12	4.2
1640						01.85- 01.92	**113726**	12	3.0
							113429	12	4.2
1644						01.85- 01.92	**113726**	12	3.0
							113429	12	4.2
1666						01.93- 01.97	**113726**	12	3.0
							113429	12	4.2
1680						01.85- 01.92	**113726**	12	3.0
							113429	12	4.2
1682						01.82- 01.92	**113726**	12	3.0
1688						01.92- 01.95	**113726**	12	3.0
							113429	12	4.2
1690		01.79- 01.85	**111185**	14 43 4WD		01.85- 01.92	**113429**	12	4.2
		01.79- 01.85	**110179**	14 36 2WD		01.84-	**110818**	12	2.1
						01.84-	**111499**	12	2.8
1694		01.84-	**110968**	14 70		01.84-	**111499**	12	2.8
		01.79- 01.87	**111204**	14 70					
		01.84-	**113574**	14 65					
1840						01.90- 01.93	**113725**	12	2.5
1845 C						01.87- 01.96	**113725**	12	2.5
2144		01.94- 01.97	**112773**	14 135		01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14 150 IS					
2155 8.3	[6CTA]	05.97-	**112773**	14 135		01.96-	**113429**	12	4.2
		05.97-	**113999**	14 150 IS					
2166 8.3	[6CTA]	01.94-	**112773**	14 135		01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14 150 IS					
2166						01.94- 01.97	**113726**	12	3.0
2188 8.3	[6CTA]	01.94-	**112773**	14 135		01.94- 01.96	**113429**	12	4.2
		01.94-	**113999**	14 150 IS					
2188						01.94- 01.97	**113726**	12	3.0
2344 5.9		01.97- 01.98	**112773**	14 135					
		01.97-	**113999**	14 150 IS					
2344						01.97- 01.98	**113726**	12	3.0
2366 8.3	[6CTA]	05.97-	**112773**	14 135		01.97-	**113429**	12	4.2
		05.97-	**113999**	14 150 IS					
2366						01.97- 01.98	**113726**	12	3.0
2388 8.3	[6CTAA]	05.97- 01.98	**112773**	14 135					
		05.97-	**113999**	14 150 IS					
2388						01.97- 01.98	**113726**	12	3.0
2555 8.3		05.97-	**112773**	14 135					
		05.97-	**113999**	14 150 IS					
3400 GD						09.69- 12.86	**111752**	12	2.7
3500 GD						09.69- 12.86	**111752**	12	2.7
4200		01.93-	**111289**	14 70			**112660**	12	2.8
5120 Maxxum	[6T-590]	01.90-	**111843**	14 95					
		01.90-	**111888**	14 65					
5130	[6T-590]					01.90- 01.91	**113429**	12	4.2
						06.90-	**114449**	12	4.0
5130 Maxxum	[6T-590]	01.90-	**111843**	14 95		01.90-	**111885**	12	3.1
		01.90-	**111888**	14 65					
5140	[6T-590]					01.90- 01.91	**113429**	12	4.2
						06.90-	**114449**	12	4.0
5140 Maxxum	[6T-590]	01.90-	**111843**	14 95		01.90-	**111885**	12	3.1
		01.90-	**111888**	14 65					
5150 Maxxum	[6T-590]					06.90-	**111885**	12	3.1
6000						01.97- 01.00	**113429**	12	4.2
						01.85- 01.92	**113725**	12	2.5
6500						01.85- 01.92	**113725**	12	2.5
7120 8.3	[6CT]	01.98- 01.03	**112773**	14 135		01.87- 01.93	**113429**	12	4.2
		01.98- 01.03	**113999**	14 150 IS					
7130 8.3	[6CT]	01.98- 01.03	**112773**	14 135		01.87- 01.93	**113429**	12	4.2
		01.98- 01.03	**113999**	14 150 IS					
7140 8.3	[6CTA]	01.98- 01.03	**112773**	14 135		01.87- 01.93	**113429**	12	4.2
		01.98- 01.03	**113999**	14 150 IS					
8920 8.3	[6CTA]	05.97-	**112773**	14 135					
		05.97-	**113999**	14 150 IS					

CASE *continued*

8930 8.3	[6CTA]	05.97-	**112773**	14	135	01.96-	**113429**	12	4.2
		05.97-	**113999**	14	150 IS				
8940 8.3	[6CTA]	05.97-	**112773**	14	135				
		05.97-	**113999**	14	150 IS				
8950 8.3	[6CTA]	05.97-	**112773**	14	135				
		05.97-	**113999**	14	150 IS				
9150	[6-611]					01.86- 01.90	**112089**	12	
9180	[6-855]					01.86- 01.90	**112089**	12	
9250	[6-611]					01.90- 01.95	**112089**	12	
9260	[6-611]					01.90- 01.95	**112089**	12	
9270	[6-855]					01.90- 01.95	**112089**	12	
9280	[6-855]					01.90- 01.95	**112089**	12	
170 CBX			**113552**	14	120				
420CT 3.2	[432T/M]					01.08-	**114002**	12	4.2
650 HD Yumbo		01.78-	**111035**	14	65				
821B 8.3	[6CT]	06.96-	**112493**	28	65				
E833		01.86-	**111662**	14	33	01.86- 12.90	**112135**	12	3.1
E833 A		01.86-	**111662**	14	33	01.86- 12.90	**112135**	12	3.1
Farmall			**114450**	14	120				
JX100U			**114384**	14	85				
JX70U			**114384**	14	85				
JX80U			**114384**	14	85				
JX90U			**114384**	14	85				
MX		01.95- 01.02	**111843**	14	95				
V433		01.86-	**111662**	14	33	01.86-	**112135**	12	3.1
V533		01.86-	**111662**	14	33	01.86-	**112135**	12	3.1
Various Models		01.70- 01.92	**110300**	28	65	05.82	**111752**	12	2.7
		01.89- 01.94	**112170**	28	50	05.79- 12.86	**110536**	12	2.7
			113552	14	120	01.85- 01.92	**111760**	24	4.5
		01.68-	**112260**	14	80	01.87- 01.92	**113184**	24	4.0
		01.72- 01.85	**110504**	14	90	01.74- 01.80	**111259**	12	1.3
		01.65-	**110484**			01.65-	**112256**	24	7.0
		01.65-	**114518**	14	55	01.65- 01.88	**112243**	24	
			114191	14	90	01.78- 01.89	**110627**	12	2.5
						01.57- 01.78	**110438**	12	2.1
						01.90- 01.98	**112169**	24	4.5
						01.00- 01.00	**111260**	12	1.4/1.6
							113429	12	4.2
							110818	12	2.1
						03.75- 01.88	**110523**	24	4.8
						01.83-	**110999**	24	
						01.72-	**112660**	12	2.8
						01.65-	**114196**	24	4.0
						01.65-	**114399**	12	2.7
W20E 6.0	[6BT]	05.96-	**112493**	28	65				
Caterpillar									
AGRICULTURE									
75						01.91- 12.97	**113695**	24	6.0
85						01.95- 12.97	**113695**	24	6.0
908 Diesel	[Perkins 3054]		**114218**	14	55				
416C Diesel	[Perkins 3054]		**114218**	14	55				
426C Diesel	[Perkins 3054]		**114218**	14	55				
436C Diesel	[Perkins 3054]		**114218**	14	55				
D4C Diesel	[Perkins]		**114218**	14	55				
Farm 35		01.94-	**112996**	14	115/130				
Farm 45		01.94-	**112996**	14	115/130				
Farm 55		01.95-	**112996**	14	115/130				
Various Models			**114271**	28	75	01.79-	**110449**	12	3.6
							114280	24	3.2
Chang Feng (Liebao)									
AGRICULTURE									
3320		01.92-	**110621**	14	55	01.92-	**114254**	12	2.7 GR
						01.92-	**110545**	12	3.0
Claas									
AGRICULTURE									
48 3.9	[4.236]	06.78-	**112098**	14	65	06.78-	**111791**	12	2.4
56 4.1	[4.248]	12.83-	**110641**	14	33	12.83-	**111791**	12	2.4
66 5.8	[6.354]	12.79- 10.85	**111649**	14	33	06.79- 10.85	**111791**	12	2.4
76 6.1	[6.372]	06.78-	**112098**	14	65	06.78-	**111791**	12	2.4
85 6.1	[6.372]					10.74- 10.85	**111791**	12	2.4
85	[OM352]					10.74- 05.76	**110525**	12	3.0
86 5.7	[OM352]	06.78-	**112098**	14	65				
96 5.7	[OM352]	09.79- 10.85	**112098**	14	65				
96	[OM352]	06.78-	**112098**	14	65				
105	[OM360]	04.82-	**112098**	14	65				

106	[OM401]	05.80-		**113611**	14	90	05.80-		**110539**	12 3.6
							05.80-	10.85	**113268**	12 1.6
675	[OM360]	10.74-		**113611**	14	90				
680	[OM421]	10.74-		**113611**	14	90	10.74-		**110539**	12 3.6
690 14.6	[OM422]						10.74-	10.89	**110206**	24 5.4
816				**113986**	14	120				
826				**113986**	14	120				
836				**113986**	14	120				
850				**113949**	14	150				
685 SL	[OM421]	10.74-		**113611**	14	90	01.87-		**110539**	12 3.6
Combines		01.99-		**111978**	14	120				
Various 510 520 530 540				**113986**	14	120				
Various 610 620 630 640				**113986**	14	120				
Various Models				**114000**	14	120	10.74-	10.76	**110775**	12 1.8
				114513	14	95	09.73-	05.76	**110525**	12 3.0
							08.78-	10.82	**110536**	12 2.7
							01.73-	10.82	**111791**	12 2.4
Cub Cadet										
AGRICULTURE										
982	[Onan B48G]						01.79-	01.84	**113015**	12
984	[Onan B48G]						01.82-	01.84	**113015**	12
986	[Onan B48G]						01.82-	01.84	**113015**	12
1912	[Onan B48G]					B48G Eng.	01.85-	01.86	**113015**	12
1914	[Onan B48G]						01.85-	01.86	**113015**	12
7000 Diesel	[Mitsubishi 3-69]	01.98-	01.03	**112492**	14	50				
7200 Diesel	[Mitsubishi 3-69]	01.98-	01.03	**112492**	14	50				
7205 Diesel	[Mitsubishi 3-69]	01.98-	01.03	**112492**	14	50				
7260 Diesel	[Mitsubishi 3-80]	01.98-	01.03	**112492**	14	50				
7265 Diesel	[Mitsubishi 3-80]	01.98-	01.03	**112492**	14	50				
7305 Diesel	[Mitsubishi Equipped]			**114079**	14	40				
7360 Diesel	[Mitsubishi 4-107]	01.00-	01.03	**112492**	14	50				
7530 Diesel		01.04-	01.06	**112492**	14	50				
7532 Diesel		01.04-	01.06	**112492**	14	50				
Compact 1170	[Briggs & Stratton]						01.00-	01.01	**113853**	12
Compact 1600	[Briggs & Stratton]						01.99-	01.99	**113853**	12
Compact 1800	[Briggs & Stratton]						01.99-	01.99	**113853**	12
Compact 2130	[Kohler]						01.94-	01.95	**112546**	12 0.6
Compact 2135	[Kohler]						01.94-	01.95	**112546**	12 0.6
Compact 2185	[Kohler]						01.94-	01.01	**112546**	12 0.6
Garden 1340 1.3	[Kohler]						01.90-	01.91	**112150**	12
Garden 1863	[Kohler]						01.93-	01.97	**112546**	12 0.6
Garden 1864	[Kohler]						01.93-	01.97	**112546**	12 0.6
Garden 2072							01.87-	01.89	**112831**	12 0.6
Garden 2082							01.92-	01.00	**112831**	12 0.6
Garden 2084	[Kohler]						01.94-	01.95	**112546**	12 0.6
Lawn 1315 1.3	[Kohler]						01.89-	01.91	**112150**	12
Lawn 1320	[Kohler]						01.89-	01.91	**112150**	12
Lawn 1325	[Kohler]						01.92-	01.93	**112150**	12
Lawn 1330	[Kohler]						01.92-	01.93	**112150**	12
Lawn 1405	[Kohler]						01.90-	01.91	**112150**	12
Zero Turn	[Kohler]								**114075**	12
Daedong Kioti										
AGRICULTURE										
DK35 Series	[Kubota]			**114219**	14	50				
DK40 Series	[Kubota]			**114219**	14	50				
DK65 Series	[Kubota]			**114219**	14	50				
DK65S Series	[Kubota]			**114219**	14	50				
Deutz-Fahr										
AGRICULTURE										
60	[1000.3A]			**112389**	14	85				
75	[1000.4A]			**112389**	14	85				
85	[1000.4AT]			**112389**	14	85				
110	[1000.6A]			**112389**	14	85				
130	[1000.6A]			**112389**	14	85				
2003 3.8	[F4L 912]	02.79-	05.80	**110641**	14	33				
2004 3.8	[F4L912]	05.78-	12.88	**110641**	14	33				
100.4	[1000.4ATI]			**112389**	14	85				
100.6	[1000.4A]			**112389**	14	85				
60DT/2RM	[1000.3A]			**112389**	14	85				
70DT/2RM	[1000.4A]			**112389**	14	85				
80DT	[1000.4A]			**112389**	14	85				
90DT	[1000.4AT]			**112389**	14	85				
Agri 605							01.97-		**112071**	12 3.0
D 2807 1.9 Diesel	[F2L912]	06.86-	08.88	**110641**	14	33				
		09.88-		**110360**	14	45				
		09.88-		**110881**	14	55				

DEUTZ-FAHR *continued*

D 3607 1.9 Diesel	[F2L912]	06.86-	08.88	**110641**	14	33					
		09.88-		**110360**	14	45					
		09.88-		**110881**	14	55					
D 6807 3.8 Diesel	[F4L912]	06.86-	08.88	**110641**	14	33	06.86-		**110536**	12	2.7
		09.88-		**110360**	14	45	01.92-		**112555**	12	3.1
D 7007 3.8 Diesel	[F4L912]	06.86-	08.88	**110641**	14	33	01.92-		**112555**	12	3.1
		09.88-		**110360**	14	45	06.86-		**110536**	12	2.7
DE6 - Various Models		06.86-		**110360**	14	45					
DX 3.10 2.8 Diesel	[F3L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.30 2.8 Diesel	[F3L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.50 3.1 Diesel	[F3L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.60 3.8 Diesel	[F4L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.70 3.8 Diesel	[F4L912]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.80 4.1 Diesel	[F4L913]	06.86-		**110360**	14	45	06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 3.90 4.1 Diesel	[F4L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 4.10 3.8 Diesel	[F4L912]	06.86-		**110360**	14	45	01.92-	06.01	**112555**	12	3.1
							06.86-		**110536**	12	2.7
DX 4.30 4.1 Diesel	[F4L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 4.31 4.1 Diesel	[F4L913]	01.91-		**110360**	14	45	01.92-		**112555**	12	3.1
							01.91-		**110536**	12	2.7
DX 4.50 4.1 Diesel	[BF4L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 4.51 4.1 Diesel	[BF4L913]	01.90-		**110360**	14	45	01.90-	06.94	**113467**	12	3.7
							01.92-		**112555**	12	3.1
DX 4.70 4.1 Diesel	[BF4L913]						06.86-		**110536**	12	2.7
							01.92-		**112555**	12	3.1
DX 6.05 5.7 Diesel	[F6L912]	06.86-		**110360**	14	45	01.92-	06.01	**112555**	12	3.1
							06.86-		**110536**	12	2.7
DX 6.30 6.1 Diesel	[F6L913]						06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX 6.31 6.0 Diesel	[BF6L913]	01.90-	01.05	**112046**	14	95	01.90-	06.94	**113467**	12	3.7
							01.90-		**110536**	12	2.7
							01.92-	01.05	**112555**	12	3.1
DX 6.50 6.1 Diesel	[BF6L913]	06.86-	06.01	**112046**	14	95	01.92-	06.01	**112555**	12	3.1
							06.86-		**110536**	12	2.7
							06.86-		**113467**	12	3.7
DX 6.60 6.0 Diesel	[BF6L913]	10.88-		**110360**	14	45	01.92-	10.03	**112555**	12	3.1
							10.88-		**110536**	12	2.7
DX 7.10 6.1 Diesel	[BF6L913]	06.86-	06.01	**112046**	14	95	06.86-	06.94	**113467**	12	3.7
							06.86-		**110536**	12	2.7
							01.92-	06.01	**112555**	12	3.1
DX3 - Various Models		06.86-		**110360**	14	45					
		07.76-	10.85	**110641**	14	33					
DX4 - Various Models		06.86-		**110360**	14	45					
DX7 - Various Models		09.88-		**110360**	14	45					
		06.86-		**112736**	14	65					
Intrac 6.30 6.0 TD	[BF6L913]	01.88-		**112046**	14	95	01.89-		**110536**	12	2.7
		01.88-	12.88	**112736**	14	65	01.92-	01.04	**112555**	12	3.1
Intrac 6.60 6.0 TD	[BF6L913]	01.88-	01.93	**112046**	14	95	01.88-	01.03	**113467**	12	3.7
		01.88-		**112736**	14	65					
M 1080 4.7 Diesel	[F5L912]	01.81-	08.88	**110641**	14	33	01.81-		**110536**	12	2.7
		09.88-		**110360**	14	45	01.92-	01.96	**112555**	12	3.1
M 1202 5.7 Diesel	[F6L912]	01.80-	08.88	**110641**	14	33	01.80-		**110536**	12	2.7
		09.88-		**110360**	14	45	01.92-	01.95	**112555**	12	3.1
M 2385 5.7 Diesel	[F6L912]	01.82-	01.97	**112046**	14	95	01.92-	01.97	**112555**	12	3.1
		01.82-	07.93	**112736**	14	65	01.82-		**110536**	12	2.7
M 3330 2.8	[F3L912]						01.92-	03.02	**112555**	12	3.1
M 3360 3.8	[F4L912]						03.87-	03.02	**110536**	12	2.7
							01.92-	03.02	**112555**	12	3.1
M 980 3.8 Diesel	[F4L912]	01.81-	08.88	**110641**	14	33	01.92-	01.96	**112555**	12	3.1
							01.81-		**110536**	12	2.7

Various Models		01.73-	12.75	**110766**	28	27			**110536**	12	2.7
		12.79-		**112747**	28	55	05.78-	10.85	**113467**	12	3.7
		04.88-		**113740**	14	160	01.92-		**112555**	12	3.1
		04.72-	12.75	**110761**	28	35			**114220**	24	4.0
		02.79-	10.84	**110641**	14	33					
		07.80-	10.84	**110077**	14	50					
		09.88-	12.01	**110881**	14	55					
				114192	14	200					
				114110	28	80					
				114365	28	140					
				114470	14	120					
Dronningborg											
AGRICULTURE											
7000	[Perkins]			**111289**	14	70					
7800	[Valmet D620]		01.93	**110968**	14	70					
			01.93	**111355**	14	65					
8700 Jumbo	[Valmet]			**110968**	14	70					
				111355	14	65					
Various Models									**114254**	12	2.7 GR
									110449	12	3.6
									110545	12	3.0
									110443	12	2.1
									110460	12	2.8
Eicher											
AGRICULTURE											
330 2.0 Diesel	[EDK 2-9]	10.77-	12.80	**111649**	14	33					
3026 5.9 Diesel	[EDL 6-1]	03.82-	03.97	**111649**	14	33					
		03.82-		**112098**	14	65					
3028 5.9 Diesel	[EDL 6-5]	09.83-		**112098**	14	65					
3030 5.9 Diesel	[EDL 6-6]	09.83-		**112098**	14	65					
3357 3.0 Diesel	[EDL 3-8]	03.82-	12.87	**111649**	14	33					
3358 3.0 Diesel	[EDL 3-8]	03.82-	12.87	**111649**	14	33					
3457 3.0 Diesel	[EDL 3-9]	03.82-	12.87	**111649**	14	33					
3458 3.0 Diesel	[EDL 3-9]	03.82-	12.87	**111649**	14	33					
3559 3.9 Diesel	[EDL 4-4]	01.84-	01.99	**111649**	14	33					
3560 3.9 Diesel	[EDL 4-4]	01.84-	01.99	**111649**	14	33					
3659 3.9 Diesel	[EDL 4-5]	01.84-	01.99	**111649**	14	33					
3660 3.9 Diesel	[EDL 4-6]	01.84-	01.99	**111649**	14	33					
3257 S 3.0 Diesel	[EDL 3-7]	01.83-	12.87	**111649**	14	33					
3258 A AS 3.0 Diesel	[EDL 3-7]	03.82-	12.87	**111649**	14	33					
635 K KA 1.9 Diesel	[EDL 2-2]	01.86-	01.01	**111649**	14	33					
642 K KA 1.9 Diesel	[EDL 2-4]	01.86-	01.01	**111649**	14	33					
645 K KA 2.9 Diesel	[EDL 3-6]	01.86-	01.01	**111649**	14	33					
648 V VA 2.9 Diesel	[EDL 3-7.2]	01.87-	01.02	**111649**	14	33					
666 P,PA 2.9 Diesel	[EDL 3-9.1]	01.87-	01.02	**111649**	14	33					
666 V VA 2.9 Diesel	[EDL 3-9.1]	01.86-	01.01	**111649**	14	33					
680 P PA 3.9 Diesel	[EDL 4-5.1]	01.87-	01.02	**111649**	14	33					
Various Models		01.77-	11.87	**111649**	14	33	01.72-		**110439**	12	2.0
							01.75-		**110565**	12	2.8
							01.75-		**110819**	12	2.8
Fahr											
AGRICULTURE											
M1000 Series		06.74-	12.80	**112097**	28	30					
		01.80-	12.87	**112736**	14	65					
		02.79-	12.81	**110641**	14	33					
M2000 Series		01.79-	12.87	**112736**	14	65					
M600 Series		02.79-	12.87	**110641**	14	33					
M700 Series		02.79-	12.87	**110641**	14	33					
M900 Series		02.79-	12.87	**110641**	14	33					
Fendt											
AGRICULTURE											
204 3.8 Diesel	[F4L 912]	02.79-	08.88	**110641**	14	33	01.92-		**112555**	12	3.1
							09.86-	12.91	**110536**	12	2.7
205 4.0 Diesel	[F4L 912]	02.79-	08.88	**110641**	14	33					
600 5.7 Diesel	[D227-6]	02.78-		**112196**	14	143	02.78-		**111332**	12	2.7
610 5.7 Diesel	[D226-6]	02.78-		**112196**	14	143	02.78-		**111332**	12	2.7
611 6.2 Diesel	[D226-6]	02.76-		**112196**	14	143	02.76-		**111332**	12	2.7
612 6.2 Diesel	[D226-6]	02.76-		**112196**	14	143	02.76-		**111332**	12	2.7
614 6.2 Diesel	[TD226-6]	02.78-		**112196**	14	143	02.78-		**111332**	12	2.7
105S 4.2 Diesel	[D226-4]						02.77-	02.92	**111332**	12	2.7
200 Series 2.8 Diesel	[F3L912]	02.79-	08.88	**110077**	14	50	10.92-		**112555**	12	3.1
		02.79-	08.88	**110641**	14	33	02.74-	12.91	**110536**	12	2.7
		09.88-		**110881**	14	55					
204 P 204 V 3.8	[F4L912]	01.74-	12.96	**110641**	14	33	01.74-	12.96	**110536**	12	2.7
		01.74-	12.96	**110881**	14	55					

FENDT *continued*

204 PA 204 VA 3.8	[F4L912]	01.74-	12.96	**110641**	14	33	01.74-	12.96	**110536**	12	2.7
		01.74-	12.96	**110881**	14	55					
300 SERIES 4.2 Diesel	[D226..]	02.80-	08.04	**112196**	14	143	02.80-		**111332**	12	2.7
626 LS 11.4 Diesel	[D2566ME]	02.82-	02.97	**112196**	14	143					
800 Series 6.9 Diesel	[D286..]	06.93-		**113290**	14	95	06.93-		**113353**	24	4.0
900 Series							01.93-		**113353**	24	4.0
Various Models	[TCD2013]			**114192**	14	200			**114475**	12	4.0
				111978	14	120	01.68-	12.74	**112039**	12	2.7
									110536	12	2.7
									112555	12	3.1
Ferrari											
AGRICULTURE											
86 2.5 Diesel	[LDA 833]	06.80-		**111662**	14	33					
91 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
92 0.5	[3LD350]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
93		09.89-		**111662**	14	33					
94		09.89-		**111662**	14	33					
95 1.3 Diesel	[8LD665.2]	11.88-		**111662**	14	33					
96 2.7 Diesel	[5LD 824-3]	09.89-		**111662**	14	33					
305 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
305 0.5	[6L360]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
306 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
307 0.4	[6LD400]						10.90-	02.92	**112034**	12	1.7
							02.92-		**112171**	12	1.1
718 0.7	[7LD665]						06.80-	12.83	**113268**	12	1.6
792 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
794 0.4	[6LD400]						09.89-	02.92	**112034**	12	1.7
							03.92-	09.04	**112171**	12	1.1
1100 1.1 Diesel	[9LD 561]	12.85-		**111662**	14	33	12.85-		**112172**	12	1.6
1300 1.3 Diesel	[8LD665.2]	12.85-		**111662**	14	33	12.85-		**112172**	12	1.6
40 WDT 1.6 Diesel	[LDW1503]	04.91-		**111168**	14	55	04.91-		**110844**	12	2.2
72S 0.7	[7LD665]						01.71-		**112171**	12	1.1
							01.71-		**113268**	12	1.6
95 RS 1.7 Diesel	[5LD 825.2]	11.88-		**111662**	14	33					
95 RS 1.9 Diesel	[11LD 625.3]			**111662**	14	33					
96 RS 1.9 Diesel	[11LD 625.3]	09.89-		**111662**	14	33					
Fiat											
AGRICULTURE											
404 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
420 Diesel		04.82-	12.83	**111180**	14	33	01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.84-		**110213**	24	6.6
440 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.84-		**110813**	12	2.7
450 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.50-	08.80	**110813**	12	2.7
455 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.50-		**110813**	12	2.7
470 Diesel							01.84-		**113381**	12	2.5
							01.84-		**110640**	12	3.0
							01.84-		**110813**	12	2.7
480							01.72-	03.82	**110813**	12	2.7
									113381	12	2.5
666							01.84-	12.84	**110529**	12	3.0
766							01.75-	12.84	**110529**	12	3.0
880							04.73-	12.84	**110529**	12	3.0
1180							09.80-	12.83	**110529**	12	3.0
1280							09.80-	12.83	**110529**	12	3.0
1380							09.80-	12.83	**110529**	12	3.0
							09.80-	12.83	**110522**	12	3.0
1580							09.80-	12.83	**110522**	12	3.0
100.90 5.4 Diesel	[8065.06.200]	05.87-	08.88	**111686**	14	65	06.84-	08.88	**110522**	12	3.0
1000 S DT DTS							01.73-		**110529**	12	3.0
110.90 5.9 Diesel	[8065.05.220]	05.87-	08.88	**111686**	14	65	11.86-	08.88	**110522**	12	3.0
115.90 5.9 Diesel	[8065.05.000]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
129-16							01.79-	06.82	**110521**	24	4.0

130.90 5.9 Diesel	[8065.25.010]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
1300 DT S							04.73-	12.79	**110529**	12	3.0
140.90 5.9 Diesel	[8065.25.000]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
160.90 8.1 Diesel	[OM8365.25.5..]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
180.90 8.1 Diesel	[OM8365.25.5..]	05.87-	08.88	**111686**	14	65	01.84-	08.88	**110522**	12	3.0
45.66							01.85-		**110813**	12	2.7
500 DT	[8035.02.201]						06.73-	03.82	**110813**	12	2.7
							01.73-		**113381**	12	2.5
500S Diesel		06.78-	03.82	**111180**	14	33	01.78-	01.82	**113381**	12	2.5
							01.78-	01.82	**110640**	12	3.0
							06.73-	03.82	**110813**	12	2.7
540 DT	[8035.02.302]	06.78-	03.82	**111180**	14	33	01.70-	06.78	**110813**	12	2.7
55.46 2.7 Diesel	[8035.06...]						09.84-		**110813**	12	2.7
55.56							01.89-		**110813**	12	2.7
55.65 2.7 Diesel	[8035.06...]						09.84-		**110813**	12	2.7
55.66 2.7 Diesel	[8035.06...]						09.84-		**110813**	12	2.7
55.75							03.89-		**110813**	12	2.7
55.90 2.7 Diesel	[8035.06.200]						03.84-		**110813**	12	2.7
570 DT							12.77-	12.84	**110813**	12	2.7
580 DT							12.77-	02.84	**110213**	24	6.6
							12.77-	02.84	**110529**	12	3.0
60.46 2.9 Diesel	[8035.05...]						09.84-		**110813**	12	2.7
60.56							01.89-		**110813**	12	2.7
60.65 2.9 Diesel	[8035.05...]						09.84-		**110813**	12	2.7
60.66 2.9 Diesel	[8035.05...]						09.84-	08.88	**110813**	12	2.7
60.75							03.89-		**110813**	12	2.7
60.90 2.9 Diesel	[8035.05.200]						03.84-	08.88	**110813**	12	2.7
640 DT							10.72-	07.82	**110529**	12	3.0
65.46 3.6 Diesel	[8045.06..]						04.85-	08.88	**110529**	12	3.0
							04.85-		**110813**	12	2.7
65.66 3.6 Diesel	[8045.06..]						06.87-	08.88	**110529**	12	3.0
							04.85-		**110813**	12	2.7
65.90 3.6 Diesel	[8045.06..]						09.87-	08.88	**110529**	12	3.0
							04.85-		**110813**	12	2.7
665 C							06.82-	12.84	**110529**	12	3.0
670 DT							07.77-	02.84	**110529**	12	3.0
680 DT							07.77-	02.84	**110529**	12	3.0
70.65 3.6 Diesel	[8045.06..]						10.84-	08.88	**110529**	12	3.0
							09.84-		**110813**	12	2.7
70.66 3.6 Diesel	[8045.06..]						09.84-	08.88	**110529**	12	3.0
							09.84-		**110813**	12	2.7
70.90 3.6 Diesel	[8045.06..]						03.84-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
765 C							01.75-	12.84	**110529**	12	3.0
780 DT							01.75-	02.84	**110529**	12	3.0
80.65 3.9 Diesel	[8045.05...]						10.84-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
80.66 3.9 Diesel	[8045.05...]						05.87-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
80.75							03.84-		**110529**	12	3.0
80.90 3.9 Diesel	[8045.05...]						03.84-	08.88	**110529**	12	3.0
							03.84-		**110813**	12	2.7
85.55 3.9 Diesel	[8045.05...]						10.84-	08.88	**110529**	12	3.0
							10.84-	06.89	**110813**	12	2.7
855 C							04.73-	12.84	**110529**	12	3.0
880-5							09.80-	08.82	**110529**	12	3.0
							09.82-	06.84	**110522**	12	3.0
90.90 4.9 Diesel	[8055.05.200]						06.84-	08.88	**110522**	12	3.0
95.55 4.9 Diesel	[8055.05.205]						10.84-	08.88	**110522**	12	3.0
F-100-F							01.84-		**110522**	12	3.0
F-110							01.84-		**110522**	12	3.0
F-120-F							01.84-		**110522**	12	3.0
F130							01.84-		**110522**	12	3.0
Various Models							06.72-		**110813**	12	2.7
							09.81-	12.82	**110529**	12	3.0
Fiat-Allis											
AGRICULTURE											
65 B 5.9 Diesel	[8061..]	01.86-	01.01	**111419**	28	55	01.86-	01.01	**110521**	24	4.0
FA 150 8.1 Diesel	[8365.25.542]						12.86-	03.99	**110999**	24	
FA 200							01.84-	12.89	**110347**	24	7.5
FD 14							04.84-	12.89	**110347**	24	7.5
FD 14E 8.1 Diesel	[8365.25.541]						12.88-	12.92	**110999**	24	
FD 20 5.9 Diesel	[8215.02.520]						03.84-	03.99	**110347**	24	7.5
FD 30C 17.0 Diesel	[8285.22.004]	10.90-		**111419**	28	55					
FE 16							10.83-	12.87	**110521**	24	4.0
FE 45							09.87-		**110347**	24	7.5

FIAT-ALLIS *continued*

FG 65 A								03.84-	01.88	**110529**	12 3.0
FH 400								11.89-		**110347**	24 7.5
FL 20								03.84-		**110347**	24 7.5
FR 130 5.9 Diesel	[8065.25..]	04.90-	04.05	**111419**	28	55					
FR 160 8.1 Diesel	[8365.25..]	07.90-		**111419**	28	55		07.90-		**110999**	24
								01.80-	01.83	**110522**	12 3.0
FR 20								01.86-	12.90	**110347**	24 7.5
FR 20 B								01.86-	12.90	**110347**	24 7.5
FR 220 9.5 Diesel	[8465.21..]	01.91-		**111419**	28	55					
FR 7								12.82-	03.85	**110517**	24 3.2
								04.85-	04.88	**110521**	24 4.0
FR 9								12.82-	09.85	**110521**	24 4.0
Various Models Diesel		04.83-	03.89	**110912**	14	55		01.71-	01.75	**111737**	12 2.8
		01.72-	01.80	**110504**	14	90		01.80-	06.85	**110531**	24 6.6
		01.80-		**110801**	28	45		11.70-	12.82	**110529**	12 3.0
		01.74-	01.91	**110639**	14	36				**113381**	12 2.5
		01.70-	01.73	**110075**	14	60				**110347**	24 7.5
		01.83-	01.88	**110952**	28	40		12.86-	12.88	**110521**	24 4.0
		01.75-	12.84	**111180**	14	33		01.60-		**111000**	24
				112992	28	70		06.83-	06.87	**110210**	24 6.6
								07.87-	06.89	**110206**	24 5.4
										111041	12 2.8
								01.72-	01.80	**113534**	12 3.0
									01.97	**110640**	12 3.0
										110208	24 5.4
								01.69-	01.70	**110818**	12 2.1
									03.85	**110517**	24 3.2
										110813	12 2.7
										110518	24 4.0
Various Models								01.70-	01.82	**110520**	24 4.0
Ford											
AGRICULTURE											
1320	[3-77]	01.87-	01.98	**113562**	14	40		01.87-	01.98	**111703**	12 2.0
								01.87-	01.98	**112177**	12 1.7
1520	[3-81]	01.87-	01.97	**113562**	14	40		01.87-	01.98	**111703**	12 2.0
								01.87-	01.98	**112177**	12 1.7
1530	[3-81]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12 1.7
1620	[3-81]	01.91-	01.97	**113562**	14	40		01.92-	01.97	**111703**	12 2.0
								01.76-	01.79	**112177**	12 1.7
1630	[3-81]	01.96-	01.98	**113562**	14	40		01.97-	01.99	**112177**	12 1.7
1710										**111275**	12 2.0
								01.83-	01.87	**112177**	12 1.7
1715	[3-81]	01.93-	01.97	**113562**	14	40		01.93-	01.97	**112177**	12 1.7
1720	[3-91]	01.87-	01.02	**113562**	14	40		01.87-	01.02	**112177**	12 1.7
1725	[3-81]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12 1.7
1910								01.84-	01.88	**110552**	12 1.2
1920	[4-122]	01.87-	01.02	**113562**	14	40		01.88-	01.98	**113696**	12 2.0
1925	[3-91]	01.96-	01.98	**113562**	14	40		01.96-	01.98	**112177**	12 1.7
2000	[158CID.]	09.71-	02.72	**111289**	14	70		01.69-	12.74	**110462**	12 2.8
2120	[4-139]	01.87-	01.02	**113562**	14	40					
2600		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
		01.75-	01.86	**111185**	14	43					
3000	[175CID]	04.68-	12.74	**110484**				04.68-	12.74	**110462**	12 2.8
3415	[4-135]	01.93-	01.02	**113562**	14	40		01.93-	01.98	**113696**	12 2.0
3600	[175CID]	01.75-	01.86	**111185**	14	43		01.75-	12.81	**110462**	12 2.8
		01.75-	12.81	**111363**	14	45					
		01.75-	12.81	**111739**	14	55					
		01.88-		**111740**	14	70					
3610	[192CID]	01.81-	01.96	**111739**	14	55		01.81-	01.96	**110462**	12 2.8
		01.88-	01.96	**111363**	14	45					
3910								01.82-	01.84	**110462**	12 2.8
4000	[201CID]	01.68-	12.75	**110484**				01.68-	12.75	**110462**	12 2.8
4100	[183CID]	01.75-	01.86	**111185**	14	43		01.75-	12.81	**110462**	12 2.8
		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					
4110		01.88-	01.89	**111739**	14	55		01.81-	01.89	**110462**	12 2.8
		01.88-	01.89	**111363**	14	45					
4130		06.90-	06.05	**111739**	14	55		06.90-	06.05	**110462**	12 2.8
		06.90-	06.05	**111363**	14	45					
4600	[201CID]	01.75-	01.86	**111185**	14	43		01.75-	12.78	**110462**	12 2.8
		01.88-		**111363**	14	45					
		01.88-		**111739**	14	55					
		01.88-		**111740**	14	70					

4610		01.81-	01.89	**111739**	14	55	01.81-	01.89	**110462**	12 2.8
		01.88-	01.89	**111363**	14	45				
4830							06.90-	06.05	**110462**	12 2.8
5000	[256CID]	01.68-	01.71	**110484**			01.68-	12.77	**110462**	12 2.8
5600	[233CID]						01.75-	12.77	**110462**	12 2.8
5610	[256CID]						01.81-	12.91	**110462**	12 2.8
5640	[4-268D]	01.94-	01.97	**113623**	14	70				
		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12 2.8
		01.92-	01.97	**112718**	14	100				
6600	[256CID]	01.75-	01.86	**111185**	14	43	01.75-	01.81	**110462**	12 2.8
		01.88-		**111363**	14	45				
		01.88-		**111739**	14	55				
		01.88-		**111740**	14	70				
6610	[401CID]	01.81-	01.96	**111739**	14	55	01.81-	01.96	**110462**	12 2.8
		01.81-	01.91	**111740**	14	70				
		01.88-	01.96	**111363**	14	45				
6640		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12 2.8
		01.92-	01.97	**112718**	14	100				
6640		01.94-	01.97	**113623**	14	70				
6700		01.88-		**111363**	14	45				
		01.88-		**111739**	14	55				
		01.88-		**111740**	14	70				
7600		01.88-		**111363**	14	45				
		01.88-		**111739**	14	55				
		01.88-		**111740**	14	70				
		01.75-	01.86	**111185**	14	43				
7610		06.90-	06.05	**111739**	14	55	06.90-	06.05	**110462**	12 2.8
		06.90-	06.05	**111363**	14	45				
7700		01.88-		**111363**	14	45				
		01.88-		**111739**	14	55				
		01.88-		**111740**	14	70				
		01.75-	01.86	**111185**	14	43				
7710		01.87-	01.91	**111740**	14	70				
7740		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12 2.8
		01.92-	01.97	**112718**	14	100	01.86-	01.97	**112074**	12 3.1
7810		06.90-	06.05	**111740**	14	70	06.90-	06.05	**110462**	12 2.8
							01.96-	06.05	**112074**	12 3.1
7840		01.94-	01.97	**113623**	14	70	01.92-	01.97	**110462**	12 2.8
		01.92-	01.97	**112718**	14	100	01.96-	01.97	**112074**	12 3.1
8210		01.82-	01.91	**110170**	14	72	06.90-	06.05	**110462**	12 2.8
8240		01.94-	01.97	**113623**	14	70	01.92-	01.96	**110462**	12 2.8
		01.92-	01.96	**112718**	14	100	01.96-	01.96	**112074**	12 3.1
8340		01.94-	01.97	**113623**	14	70	01.96-	01.97	**112074**	12 3.1
		01.92-	01.97	**112718**	14	100	01.92-	01.97	**110462**	12 2.8
8600	[401CID]	01.75-	01.86	**111185**	14	43	01.75-	12.76	**110462**	12 2.8
		01.88-		**111363**	14	45				
		01.88-		**111739**	14	55				
		01.88-		**111740**	14	70				
8630		06.90-	06.05	**111363**	14	45	06.90-	06.05	**110462**	12 2.8
		06.90-	06.05	**111739**	14	55				
8670		01.94-	12.97	**112996**	14	115/130				
8700		01.88-		**111739**	14	55				
		01.75-	01.86	**111185**	14	43				
8730							06.90-	06.05	**110462**	12 2.8
8770		01.94-	12.97	**112996**	14	115/130				
8830							06.90-	06.05	**110462**	12 2.8
8870		01.94-	12.97	**112996**	14	115/130				
8970		01.94-	12.97	**112996**	14	115/130				
9280		01.94-	12.97	**112996**	14	115/130				
9480		01.94-	12.97	**112996**	14	115/130				
9680		01.94-	12.97	**112996**	14	115/130				
9700		01.75-	01.86	**111185**	14	43	01.77-	01.79	**110462**	12 2.8
		01.88-		**111739**	14	55				
9880		01.94-	12.97	**112996**	14	115/130				
TW 10							01.79-	01.82	**110462**	12 2.8
TW 15		01.83-	01.87	**110170**	14	72	01.83-	01.87	**110462**	12 2.8
TW 20		01.79-	01.82	**110170**	14	72	01.79-	01.82	**110462**	12 2.8
TW 25		01.83-	01.89	**110170**	14	72	01.83-	01.89	**110462**	12 2.8
TW 30							01.79-	01.82	**110462**	12 2.8
TW 35		01.83-	01.89	**110170**	14	72	01.83-	01.89	**110462**	12 2.8
Various Models		01.86-	01.92	**111713**	14	105			**111300**	12 1.4
		01.94-	01.98	**113623**	14	70			**111798**	24 7.8
		01.87-	01.02	**113562**	14	40			**113728**	6
		01.65-		**110484**			01.86-	12.88	**113125**	12

Fortschritt									
AGRICULTURE									
Various Models							**110511**	24	4.0
Goldoni									
AGRICULTURE									
25 1.0 Diesel	[12LD475]	11.90- 12.91	**111662**	14	33	11.90- 12.91	**112034**	12	1.7
35 1.3 Diesel	[8LD665.2]	03.91-	**111662**	14	33				
50 1.9 Diesel	[11LD626]	11.90-	**111662**	14	33				
60 2.0 Diesel	[VM-RA 394]	11.90-	**110077**	14	50				
		11.90-	**110641**	14	33				
149 0.6	[RF140]					06.84- 06.99	**112034**	12	1.7
238 1.6 Diesel		01.77-	**111662**	14	33				
245 1.9 Diesel	[11LD 625.3]	01.89-	**111662**	14	33				
718 0.7	[7LD665]					01.74- 06.82	**113268**	12	1.6
938 1.7 Diesel	[5LD 825.2]	09.88- 04.90	**111662**	14	33				
1038 1.7 Diesel		01.80- 12.85	**111662**	14	33				
1055 1.8 Diesel	[VM-RA 394]	03.87- 04.90	**110641**	14	33				
3050 1.8 Diesel	[VM-RA 394]	04.86- 06.91	**110641**	14	33				
3050 2.1 Diesel	[VM-HR 394]	06.91-	**112768**	14	55				
3070 2.1 Diesel	[VM-HR 394]	06.91-	**112768**	14	55				
	[VM-RA 394]	06.90- 06.91	**110641**	14	33				
3445 1.9 Diesel	[11LD 625.3]	10.88-	**111662**	14	33				
40 B 1.6 Diesel	[11LD 535.3]	06.91-	**111662**	14	33				
50 B 1.9 Diesel	[11LD 626.3]	06.91-	**111662**	14	33				
55 B 2.0 Diesel	[VM-HR 394HP]	09.91-	**112768**	14	55				
933 DT 1.3 Diesel	[8LD665.2]	09.88-	**111662**	14	33				
945 DT 1.9 Diesel	[11LD 625.3]	04.90-	**111662**	14	33				
945 RS 1.9 Diesel	[11LD 625.3]	04.90-	**111662**	14	33				
Cingolato C45 2.0 Diesel	[VM-RA 394]	04.91-	**110641**	14	33				
		04.91-	**112768**	14	55				
Cingolato C60 3.0 Diesel	[VM-SUN 3105]	04.91-	**110641**	14	33				
		04.91-	**112768**	14	55				
FC90D 0.4	[6LD..]					04.91- 02.92	**112034**	12	1.7
Various Models						01.74- 06.82	**113268**	12	1.6
							112171	12	1.1
						01.74-	**112034**	12	1.7
						06.91-	**110844**	12	2.2
						04.82-	**110813**	12	2.7
							113381	12	2.5
Hattat Tarim									
AGRICULTURE									
A-Series							**114388**	12	3.2 IS
							113655	12	3.0 MA
Hitachi									
AGRICULTURE									
Zaxis 135US	[4BG1TC]						**114324**	24	4.5
Zaxis 200 Forester	[6BG1T]	01.99-	**113886**	28	50				
Zaxis 250 Forester	[6BG1T]	01.99-	**113886**	28	50				
Hough									
AGRICULTURE									
Various Models						01.89-	**112668**	12	2.5
Huerlimann									
AGRICULTURE									
Various Models						03.79-	**110530**	12	3.0
Iseki									
AGRICULTURE									
234		01.82- 01.84	**111042**	14	35				
235		01.85- 01.90	**111042**	14	35				
244		01.82- 01.84	**111042**	14	35				
245		01.85- 01.90	**111042**	14	35				
254		01.82- 01.84	**111042**	14	35				
255		01.85- 01.90	**111042**	14	35				
265		01.85- 01.90	**111042**	14	35				
275		01.85- 01.90	**111042**	14	35				
325			**113700#**	14	50				
			113699	14	40				
530			**111048**	14	40				
			113921	14	40				
2140			**111042**	14	35		**110933**	12	1.4
4451							**111683**	12	2.0
SL 3410 3610 3615 3645	[3KC1, 3KR1]					01.85- 01.92	**111098**	12	1.0
Various Models							**110933**	12	1.4
Jacobsen									
AGRICULTURE									
Lawn Mower	[VM Motori]						**114055**	12	2.3

JCB							
AGRICULTURE							
Excavators	[Isuzu 6BG1]				**114483**	24	4.5
Various Models					**114320**	12	3.0
					114264	12	4.2
John Deere							
AGRICULTURE							
316	[Onan]			01.84- 01.92	**113015**	12	
318	[Onan]			01.84- 01.92	**113015**	12	
420	[Onan]			01.83- 01.91	**113015**	12	
482 Cotton Pickers				01.80- 01.83	**111221**	12	2.5
484 Cotton Pickers				01.80- 01.83	**111221**	12	2.5
985 7.6				03.87- 03.02	**111224**	12	4.0
1032 4.0	10.83- 06.89	**110105**	14 55	10.92- 10.98	**111755**	12	3.0
1042 4.0	10.83- 06.89	**110105**	14 55	10.92- 10.98	**111755**	12	3.0
1052 4.0	10.83- 06.89	**110105**	14 55	10.92- 10.98	**111755**	12	3.0
1055 5.9	10.83- 06.89	**110105**	14 55	10.92- 10.98	**111755**	12	3.0
1065 5.9	03.94-	**111215**	14 120				
	03.94-	**113632**	14 85				
	03.94-	**113531**	14 120				
1068 5.9	03.94-	**111215**	14 120	01.92- 10.96	**111755**	12	3.0
	03.94-	**113632**	14 85				
	03.94-	**113531**	14 120				
1072 5.9	03.94-	**111215**	14 120				
	03.94-	**113632**	14 85				
	03.94-	**113531**	14 120				
1075 5.9	03.94-	**111215**	14 120	10.81- 12.96	**111755**	12	3.0
	03.94-	**113632**	14 85				
	03.94-	**113531**	14 120				
1085 7.6	03.94-	**111215**	14 120	02.82- 02.97	**111755**	12	3.0
	03.94-	**113632**	14 85				
	03.94-	**113531**	14 120				
1200	[Kawasaki]				**113734**	12	0.6
1445 Diesel Mower	[Yanmar]				**114400**	12	1.0
1545 Diesel Mower	[Yanmar]				**114400**	12	1.0
2254				01.85- 01.92	**111755**	12	3.0
2256				01.85- 01.92	**111755**	12	3.0
2264				01.85- 01.92	**111755**	12	3.0
2266				01.85- 01.92	**111755**	12	3.0
2450				01.85- 01.92	**111755**	12	3.0
2630				01.74- 01.75	**111221**	12	2.5
2640				01.76- 01.82	**111221**	12	2.5
2650				01.85- 01.92	**111755**	12	3.0
2850				01.85- 01.92	**111755**	12	3.0
3120		**113742**	14 40				
3320		**113742**	14 40				
3520		**113742**	14 40				
3650				01.85- 01.92	**111755**	12	3.0
4055 7.6	[6076 TRW-06]	01.89- 06.92	**111215**	14 120			
4120	[4024T]				**113900**	12	2.5
4200		**113742**	14 40				
4210		**113742**	14 40				
4255 7.6	[6076 TRW..]	01.89- 06.92	**111215**	14 120			
4300		**113742**	14 40				
4310		**113742**	14 40				
4320	[4024T]				**113900**	12	2.5
4400		**113742**	14 40				
4410		**113742**	14 40				
4450 7.6	05.83- 12.88	**110445**	14 90	05.83- 12.88	**111224**	12	4.0
4455	[6076 TRW..]	01.89- 06.92	**110445**	14 90	01.89- 06.92	**111224**	12 4.0
4500		**113742**	14 40				
4510		**113742**	14 40				
4520	[4024T]				**113900**	12	2.5
4600		**113742**	14 40				
4610		**113742**	14 40				
4700		**113742**	14 40				
4710		**113742**	14 40				
4720	[4024T]				**113900**	12	2.5
4755 7.6	[6076 TRW..]	01.89- 05.94	**111215**	14 120			
4955 7.6	[6076 A]	09.89- 01.92	**111215**	14 120			
5210					**113478**	12	2.8
5225					**113900**	12	2.5
5310					**113478**	12	2.8
5325					**113900**	12	2.5
5410					**113478**	12	2.8
6020	01.94-	**112529**	14 90				

JOHN DEERE ***continued***

6100 4.5				**113632**	14	85				
6110 4.5			01.97-	**112062**	14	115				
6120 4.5			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6200 3.9				**113632**	14	85				
6205							01.94-	**112442**	12	3.0
6220 3.9			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6230 4.5				**114681**	14	90				
6320 3.9				**112062**	14	115	01.94-	**113478**	12	2.8
			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6330 4.5				**114681**	14	90				
6420 4.5				**112062**	14	115				
			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
6430 4.5				**114681**	14	90				
6505							01.94-	**112442**	12	3.0
6506								**112442**	12	3.0
6510							01.94-	**112442**	12	3.0
6520			01.94-	**113949**	14	150	01.94-	**112442**	12	3.0
			01.94-	**112529**	14	90				
6610							01.94-	**112442**	12	3.0
6620			01.94-	**112529**	14	90	01.94-	**112442**	12	3.0
				112062	14	115				
			01.94-	**113949**	14	150				
6810 10.0							08.91-	**112442**	12	3.0
6820			01.94-	**112529**	14	90	01.94-	**112442**	12	3.0
6910			01.97-	**112062**	14	115	01.94-	**112442**	12	3.0
6920			01.94-	**112529**	14	90	01.94-	**112442**	12	3.0
				112062	14	115				
			01.94-	**113949**	14	150				
7130				**114681**	14	90				
7230				**114681**	14	90				
7430			09.06-	**113707**	14	200				
7530			09.06-	**113707**	14	200				
7710			01.96-	**111830**	14	140				
7800 7.6			09.92- 01.96	**111830**	14	140				
7810			01.96-	**111830**	14	140				
8120 7.6	[6076 HRW35]		01.01-	**113899**	14	150				
			08.94-	**111830**	14	140				
8120 8.1	[6081 HRW06]		03.96-	**111830**	14	140				
8220 7.6	[6076 HRW35]		01.01-	**113899**	14	150				
			08.94-	**111830**	14	140				
8320			01.01-	**113899**	14	150				
8420			01.01-	**113899**	14	150				
8520			01.01-	**113899**	14	150				
9630				**114211**	14	200				
9910 Cotton Pickers							01.79- 01.83	**111221**	12	2.5
9920 Cotton Pickers							01.83- 01.83	**111221**	12	2.5
100F 3.0 Diesel Orchard	[VM Motori]							**114055**	12	2.3
6420 S 4.5				**112062**	14	115				
			01.94-	**112529**	14	90				
			01.94-	**113949**	14	150				
76F 2.7 Diesel Orchard	[VM Motori]							**114055**	12	2.3
85F 2.7 Diesel Orchard	[VM Motori]							**114055**	12	2.3
AMT 622							01.88- 01.90	**113734**	12	0.6
AMT 626							01.90- 01.92	**113734**	12	0.6
GT225	[Kohler]							**112546**	12	0.6
L105	[Briggs & Stratton]							**113853**	12	
LX173	[Kohler]						01.96- 01.96	**112546**	12	0.6
LX255	[Kohler]							**112546**	12	0.6
STX30	[Kohler]						01.89- 01.93	**112546**	12	0.6
STX38	[Kohler]						01.89- 01.93	**112546**	12	0.6
Various Models				**113975**	14	150		**110552**	12	1.2
			03.71- 03.88	**111649**	14	33		**113983**	12	3.0
			01.88- 01.95	**111713**	14	105		**114197**	12	1.1
				111215	14	120		**114195**	12	3.0
			01.81- 01.97	**113632**	14	85		**114459**	12	4.8
			01.98-	**112160**	28	75		**111254**	24	4.5
			01.94- 01.98	**113401**	14	40		**112246**	12	0.6
			01.92- 01.98	**113531**	14	120	01.79- 01.82	**112568**	12	
			01.99- 01.03	**113543**	14	55		**113007**	24	4.0
			01.98-	**111647**	28	60		**110412**	12	2.2
			01.88- 01.95	**112996**	14	115/130	09.67- 10.86	**111755**	12	3.0
			01.99- 01.03	**113542**	14	55		**113736**	12	4.8

		09.79- 10.86	**110105**	14	55		**113853**	12	
			114211	14	200		**111087**	12	1.0
			114263	14	50		**110510**	12	0.5
			114379	14	150		**113539**	12	
			114518	14	55		**113596**	12	0.6
							113597	12	0.6
							113663	12	0.7
						01.89- 01.96	**113017**	12	
						01.66- 01.83	**112564**	12	
Various Models	[Kawasaki]						**113734**	12	0.6
							114486	12	
							114401	12	1.2
KHD									
AGRICULTURE									
DX250 9.6	[01.82]						**114437**	24	5.4
Various Models							**114676**	12	2.2
Kubota									
AGRICULTURE									
F2260							**114485**	12	1.0
F2560							**114485**	12	1.0
L2250	[D1302]					01.85- 01.90	**113893**	12	1.2
L2500	[D1403]						**113893**	12	1.2
L2550	[D1402]					01.85- 01.96	**113893**	12	1.2
L2650	[D1402]					01.90- 01.96	**113893**	12	1.2
L2800	[D1403]						**113893**	12	1.2
L2900	[D1503]					01.94- 01.98	**113893**	12	1.2
L2950	[D1462]					01.91- 01.93	**113893**	12	1.2
L3010	[D1503]					01.98- 01.02	**113893**	12	1.2
L3130	[D1503]					01.03- 01.05	**113893**	12	1.2
L3300	[D1703]					01.94- 01.98	**113893**	12	1.2
L3400	[D1703]						**113893**	12	1.2
L3410	[D1703]					01.98- 01.02	**113893**	12	1.2
L3430	[D1703]					01.03- 01.05	**113893**	12	1.2
L35	[D1703]						**113893**	12	1.2
M7580DT	[V4302]	01.91- 12.98	**114515**	14	45				
M8580DT	[V4702A]	01.91- 12.98	**114515**	14	45				
Various Models			**114515**	14	45		**114501**	12	1.0
Lamborghini									
AGRICULTURE									
105 Diesel Formula	[1004.4]					03.89- 12.99	**111001**	12	3.0
115 6.0 Diesel Formula	[1000.6]	12.89-	**111686**	14	65	12.89- 12.99	**111001**	12	3.0
135 6.0 Diesel Formula	[1000.6]	12.89-	**111686**	14	65	12.89- 12.99	**110530**	12	3.0
165 6.0 Diesel Racing	[1000.6]	05.91-	**111686**	14	65	05.91- 12.99	**110530**	12	3.0
190 6.0 Diesel Rasing	[1000.6]	01.92-	**111686**	14	65	01.92- 12.99	**110530**	12	3.0
775 4.0 Diesel	[1000.4]	06.87- 12.99	**110882**	14	45	06.87- 12.99	**110530**	12	3.0
						06.87- 12.99	**111001**	12	3.0
804 4.6	[FL1104]					06.73- 12.79	**110551**	12	3.0
904 5.0	[FL1154]					03.73- 12.79	**110551**	12	3.0
1106 5.5 Diesel 2RM	[916.6]	01.84- 05.85	**110882**	14	45				
1306 5.5 TD DT	[916.6]	01.84- 05.85	**110882**	14	45				
1506 6.8 TD	[1106HT]	01.84- 05.85	**110882**	14	45				
1706 6.8 TD	[1106]	01.84- 05.85	**110882**	14	45				
660 F 3.0 Diesel	[1000.3]					06.87- 12.99	**111001**	12	3.0
674-70 4.0 Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**110530**	12	3.0
						06.86- 12.99	**111001**	12	3.0
674-70 N 4.0 Diesel	[1000.4]	06.86- 12.95	**110882**	14	45	06.86- 12.95	**110530**	12	3.0
						06.86- 12.95	**111001**	12	3.0
674-70 N 4.0 Diesel Bosso	[1000.4]	06.86- 12.95	**110882**	14	45	06.86- 12.95	**110530**	12	3.0
						06.86- 12.95	**111001**	12	3.0
774-80 4.0 Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**111001**	12	3.0
						06.86- 12.99	**110530**	12	3.0
774-80 DT 4.0 Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**110530**	12	3.0
						06.86- 12.99	**111001**	12	3.0
774-80 N 4.0 Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**110530**	12	3.0
						06.86- 12.99	**111001**	12	3.0
874-90 4.0 Diesel	[1000.4]	06.86- 12.99	**110882**	14	45	06.86- 12.99	**110530**	12	3.0
						06.86- 12.99	**111001**	12	3.0
956 DT 5.5 Diesel	[916.6]	01.84- 05.85	**110882**	14	45	01.84- 12.99	**111001**	12	3.0
						01.84- 12.99	**110868**	12	1.1
956-2 RM 5.5 Diesel	[916.6]	01.84- 05.85	**110882**	14	45				
C 554 2.8 Diesel	[100.3P]	06.87- 12.00	**111180**	14	33				
C 664 3.1 Diesel						06.87- 12.00	**111001**	12	3.0
C 774-80 4.0 Diesel	[1000.4]	06.86- 12.00	**110882**	14	45	06.86- 12.00	**110530**	12	3.0
						06.86- 12.00	**111001**	12	3.0
C 874-90 4.0 Diesel	[1000.4]	09.90- 12.00	**110882**	14	45	09.90- 12.00	**111001**	12	3.0
C603 3.1	[FL1104]					06.73- 06.76	**110551**	12	3.0

LAMBORGHINI *continued*

R 235 S 1.8 Diesel		01.83-	09.90	**111649**	14	33					
R 513 2.7 Diesel	[983L]	03.83-	12.95	**111180**	14	33					
R704 4.6	[FL1104]						06.73-	04.78	**110551**	12	3.0
Various Models		01.84-	08.85	**110882**	14	45					
		06.78-	12.95	**111180**	14	33					
		03.71-	03.84	**110641**	14	33					
		07.86-	12.99	**111686**	14	65					
		04.81-	01.85	**111649**	14	33					
		12.80-	12.84	**110890**	14	55					
Landini											
AGRICULTURE											
55 2.7	[Perkins]			**113474**	14	65					
60 2.7	[Perkins]			**113474**	14	65					
60	[Perkins]			**113474**	14	65					
65 2.7	[Perkins]			**113474**	14	65					
65 4.0	[Perkins]			**113474**	14	65					
70 4.0	[Perkins]			**113474**	14	65					
75 4.2	[Perkins]			**113474**	14	65					
80 4.0	[Perkins]			**113474**	14	65					
80 4.2	[Perkins]			**113474**	14	65					
80	[Perkins]			**113474**	14	65					
90 4.0	[Perkins]			**113474**	14	65					
90 4.2	[Perkins]			**113474**	14	65					
100 4.0	[Perkins]			**113474**	14	65					
100 4.0 GT	[Perkins]			**113474**	14	65					
100 4.2	[Perkins]			**113474**	14	65					
5860 2.7	[Perkins]			**113474**	14	65					
Various Models 4.0	[Perkins]			**113474**	14	65					
Various Models									**114107**	12	3.2
4.0	[Perkins]			**113474**	14	65					
	[Perkins]			**113474**	14	65					
Laverda											
AGRICULTURE											
3400		05.89-		**111419**	28	55					
3500		05.89-		**111419**	28	55					
3790		06.85-		**111686**	14	65					
3850		01.91-		**111686**	14	65					
3900		01.83-	12.85	**112097**	28	30					
L 521		03.92-		**111686**	14	65					
L 624		03.92-		**111686**	14	65					
MX 300		03.87-	10.90	**112097**	28	30					
Lombardini											
AGRICULTURE											
Various Models 1.7		02.82-	11.86	**111662**	14	33					
Long											
AGRICULTURE											
350 2.3	[Fiat]						05.74-	12.89	**110640**	12	3.0
445 2.3	[Fiat]						05.74-	12.89	**110640**	12	3.0
550 3.1	[Fiat]						05.74-	12.89	**110640**	12	3.0
Mahindra											
AGRICULTURE											
Various Models	Tractor.			**113683**	14	36			**112163**	12	2.0
									113670	12	2.2
Marshall											
AGRICULTURE											
D 100 5.2 Diesel	[WD611.88]	01.90-	09.94	**113469**	14	33					
D 135 6.6 Diesel	[WD612.87]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 150 6.6 Diesel	[WD612.86]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 642 3.5 Diesel	[WD411.44]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 644 3.5 Diesel	[WD411.44]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 742 3.5 Diesel	[WD411.90]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 744 3.5 Diesel	[WD411.90]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 842 3.5 Diesel	[WD411.88]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 844 3.5 Diesel	[WD411.88]	01.90-		**110881**	14	55					
		01.90-	09.94	**113469**	14	33					
D 944 5.2 Diesel	[WD611.43]	01.90-	09.94	**113469**	14	33					
Various Models		10.94-		**110881**	14	55					
		01.90-		**113469**	14	33					

Massey Ferguson											
AGRICULTURE											
152			01.81- 01.89	**111948**	14	70					
184			01.85- 01.89	**110770**	14	55		01.85- 01.89	**111346**	12	2.8
194			01.82-	**111948**	14	70					
240 2.5			01.77-	**110970**	14	65		01.79- 12.88	**110819**	12	2.8
			01.79- 12.88	**111948**	14	70		01.79- 12.88	**110439**	12	2.0
245 2.5			01.77-	**110970**	14	65		01.77- 12.88	**110819**	12	2.8
			01.79- 12.88	**111948**	14	70		01.72- 12.78	**112268**	12	2.8
								01.77- 12.88	**110439**	12	2.0
254 2.5			01.73- 12.88	**110178**	14	36		01.73- 12.78	**112268**	12	2.8
		Perkins AD3.152	01.77-	**110970**	14	65		01.82- 01.87	**110460**	12	2.8
			01.84-	**110770**	14	55					
			01.79- 12.88	**111948**	14	70					
255 2.5			01.77-	**110970**	14	65		01.77- 12.88	**110819**	12	2.8
			01.77- 12.88	**111948**	14	70		01.72- 12.78	**112268**	12	2.8
								01.77- 12.88	**110439**	12	2.0
260 3.3			01.77-	**110970**	14	65					
			01.72- 01.75	**111948**	14	70					
265			01.70-	**110970**	14	65					
			01.81- 12.88	**111948**	14	70					
274 3.9			01.84-	**110770**	14	55		01.83- 12.88	**110565**	12	2.8
			01.77-	**110970**	14	65		01.82- 01.86	**110460**	12	2.8
			01.83- 12.88	**111948**	14	70					
275			01.77-	**110970**	14	65					
			01.75- 12.88	**111948**	14	70					
284 3.9			01.75-	**110970**	14	65					
			01.79- 12.88	**111948**	14	70					
285			01.77-	**110970**	14	65		01.79- 12.88	**110442**	12	2.1
			01.79- 12.88	**111948**	14	70	A13	01.79- 12.88	**111346**	12	2.8
290			01.80-	**111948**	14	70					
294			01.84-	**110770**	14	55					
298			01.80- 01.86	**111948**	14	70		01.80-	**110442**	12	2.1
								01.80-	**111346**	12	2.8
350			01.86- 01.92	**111355**	14	65		01.86-	**110819**	12	2.8
			01.86- 01.92	**110770**	14	55		01.86- 01.92	**110439**	12	2.0
354			01.92- 01.97	**111289**	14	70					
355			01.86- 01.92	**111355**	14	65		01.86-	**110819**	12	2.8
			01.86- 01.92	**110770**	14	55		01.86- 01.92	**110439**	12	2.0
360			01.87- 01.90	**111355**	14	65		01.83-	**110819**	12	2.8
			01.87- 01.90	**110770**	14	55					
362			01.88-	**111355**	14	65					
364			01.92- 01.97	**111289**	14	70					
365			01.86- 01.90	**111355**	14	65		01.86- 01.90	**110442**	12	2.1
			01.86- 01.90	**110770**	14	55	A13	01.86- 01.90	**111346**	12	2.8
375			01.86- 01.97	**110770**	14	55	A13	01.86- 01.97	**111346**	12	2.8
			01.86- 01.97	**111355**	14	65		01.86- 01.97	**110442**	12	2.1
383			01.86-	**110770**	14	55		01.83-	**110442**	12	2.1
								01.83-	**111346**	12	2.8
390			01.86- 01.97	**111355**	14	65	A13	01.86- 01.97	**111346**	12	2.8
			01.86- 01.97	**110770**	14	55		01.86- 01.97	**110442**	12	2.1
398			01.83- 01.84	**110770**	14	55	A13	01.83- 01.84	**111346**	12	2.8
			01.83- 01.84	**111355**	14	65		01.83- 01.84	**110442**	12	2.1
			01.83- 01.84	**110362**							
399			01.86- 01.90	**111355**	14	65		01.86- 01.90	**110442**	12	2.1
			01.86- 01.90	**110770**	14	55	A13	01.86- 01.90	**111346**	12	2.8
								01.90- 01.96	**111737**	12	2.8
550				**110107**	14	55		01.74- 01.81	**110439**	12	2.0
			01.78- 01.92	**111736**	14	90		01.74- 01.81	**110819**	12	2.8
565			01.82- 12.88	**111948**	14	70					
			01.82- 12.88	**110107**	14	55					
575			01.81- 12.88	**111948**	14	70					
			01.81- 12.88	**110107**	14	55					
685								01.69- 01.71	**110443**	12	2.1
698			01.81-	**110107**	14	55		01.83-	**110442**	12	2.1
			01.83-	**110770**	14	55	A13	01.83-	**111346**	12	2.8
699			01.83-	**110770**	14	55		01.83-	**110442**	12	2.1
			01.83-	**113474**	14	65		01.83-	**111346**	12	2.8
850			01.81- 01.90	**111736**	14	90					
860			01.81- 01.90	**111736**	14	90					
865			01.81- 01.90	**111736**	14	90					
1014			01.83-	**110770**	14	55					
			01.83-	**111185**	14	43					
1114			01.84-	**110770**	14	55					
1134			01.84-	**110770**	14	55					

MASSEY FERGUSON ***continued***

1200	[Kohler]	01.71-	01.79	**111185**	14	43		01.71-	01.82	**110814**	12 2.7
								01.71-	01.79	**111737**	12 2.8
1250		01.79-		**113474**	14	65		01.79-		**111346**	12 2.8
2640		04.82-		**110970**	14	65		01.79-	01.85	**112136**	12 2.8
		01.81-	01.85	**111948**	14	70					
		01.81-	01.85	**110107**	14	55					
3055	[Perkins]							01.94-	01.97	**110615**	12 2.8
3075	[Perkins]							01.94-	01.97	**110615**	12 2.8
3085		01.88-	01.93	**112722**	14	70		01.88-		**110443**	12 2.1
								01.92-	01.93	**111737**	12 2.8
3085		01.92-		**111355**	14	65					
3095		01.90-		**111355**	14	65					
3115		01.90-		**111355**	14	65					
3120	[Perkins]							01.90-	01.97	**110615**	12 2.8
3125		01.90-		**111355**	14	65					
3140	[Perkins]							01.90-	01.95	**110615**	12 2.8
3635		01.92-	01.95	**111940**	14	70		01.92-	01.95	**110443**	12 2.1
3645		01.86-	01.91	**111355**	14	65		01.89-	01.91	**110615**	12 2.8
		01.89-	01.91	**112722**	14	70					
3650		01.86-	01.90	**111716**	14	70		01.86-	01.90	**112136**	12 2.8
		01.86-	01.90	**111948**	14	70					
		01.86-	01.90	**110107**	14	55					
3655		01.90-	01.95	**112722**	14	70		01.90-	01.95	**110615**	12 2.8
								01.90-	01.94	**111737**	12 2.8
3660	[Perkins]							01.90-	01.95	**110615**	12 2.8
3670	[Valment]							01.92-	01.94	**110615**	12 2.8
3680 7.4	[612DS]	06.88-		**111355**	14	65	LU	06.89-	01.91	**111737**	12 2.8
		06.88-		**111948**	14	70	PR	06.88-		**110615**	12 2.8
3690	[Valment]							01.93-	01.97	**110615**	12 2.8
3890	[Valment]							01.87-	01.92	**110615**	12 2.8
4225		01.97-		**110770**	14	55					
4235		01.97-		**110770**	14	55					
4240		01.97-		**110770**	14	55					
4245		01.97-	01.00	**110770**	14	55					
		01.97-	01.00	**111355**	14	65					
4255		01.97-	01.00	**111355**	14	65		01.97-	01.00	**111346**	12 2.8
4260		01.97-		**110770**	14	55					
4265		01.97-		**110770**	14	55					
4270		01.97-		**110770**	14	55		01.97-		**110565**	12 2.8
6110		01.92-		**111716**	14	70					
		01.92-		**111940**	14	70					
		01.92-		**113961**	14	120					
6120		01.92-		**111716**	14	70					
		01.92-		**111940**	14	70					
		01.92-		**113961**	14	120					
6130		01.92-		**111716**	14	70					
		01.92-		**111940**	14	70					
		01.92-		**113961**	14	120					
6140		01.92-		**111716**	14	70					
		01.92-		**111940**	14	70					
		01.92-		**113961**	14	120					
6150		01.92-		**111716**	14	70					
		01.92-		**111940**	14	70					
		01.92-		**113961**	14	120					
6160		01.96-		**111940**	14	70	PR				
		01.96-		**112722**	14	70	LU				
		01.96-		**113961**	14	120					
6170	[6.365]	01.96-		**111940**	14	70	PR	01.96-		**110615**	12 2.8
		01.96-		**112722**	14	70	LU				
		01.96-		**113961**	14	120					
6180	[6.365]	01.96-		**111940**	14	70	PR	01.96-		**110615**	12 2.8
		01.96-		**112722**	14	70	LU				
		01.96-		**113961**	14	120					
6190		01.96-		**111940**	14	70	PR	01.95-	01.98	**110615**	12 2.8
		01.96-		**112722**	14	70	LU				
		01.96-		**113961**	14	120					
6235				**113961**	14	120	VA			**110439**	12 2.0
				114049	14	120	IS				
6245				**113961**	14	120	VA			**110439**	12 2.0
				114049	14	120	IS				
6255				**113961**	14	120	VA			**110439**	12 2.0
				114049	14	120	IS				
6260				**113961**	14	120					
6270				**114049**	14	120	IS	01.99-	01.00	**110615**	12 2.8
				113961	14	120	VA				

6280		01.99-	**112722**	14	70		01.99- 01.00	**110615**	12	2.8
		01.99-	**113961**	14	120	VA				
		01.99-	**114049**	14	120	IS				
6290		01.99-	**112722**	14	70		01.99- 01.00	**110615**	12	2.8
		01.99-	**113961**	14	120					
8110		01.96-	**111940**	14	70					
		01.96-	**113961**	14	120					
8120	[6.365]	01.96-	**111940**	14	70		01.96-	**110615**	12	2.8
		01.96-	**113961**	14	120					
8130		01.96-	**111940**	14	70					
		01.96-	**113961**	14	120					
8140	[6.403]	01.96-	**111940**	14	70		01.96-	**110615**	12	2.8
		01.96-	**113961**	14	120					
8150	[6.403]	01.96-	**111940**	14	70		01.96-	**110615**	12	2.8
		01.96-	**113961**	14	120					
8160	[6.451]	01.96-	**111940**	14	70		01.96-	**110615**	12	2.8
		01.96-	**113961**	14	120					
8170			**113961**	14	120					
8180			**113961**	14	120					
8210			**113961**	14	120		01.99- 01.00	**110615**	12	2.8
8220			**113961**	14	120		01.99- 01.00	**110615**	12	2.8
8240		01.99-	**113961**	14	120		01.99-	**110615**	12	2.8
8240			**113961**	14	120			**110615**	12	2.8
							01.99-	**111737**	12	2.8
8250		01.99-	**113961**	14	120		01.99-	**110615**	12	2.8
8250		01.99-	**113961**	14	120		01.99-	**110615**	12	2.8
							01.99-	**111737**	12	2.8
8260		01.99-	**113961**	14	120		01.99-	**110615**	12	2.8
8260			**113961**	14	120			**110615**	12	2.8
							01.99-	**111737**	12	2.8
8270		01.99-	**113961**	14	120		01.99-	**110615**	12	2.8
							01.99-	**111737**	12	2.8
8280		01.99-	**113961**	14	120		01.99-	**110615**	12	2.8
							01.99-	**111737**	12	2.8
8560		01.86- 01.88	**111736**	14	90					
			113961	14	120					
8570		01.90- 01.92	**111736**	14	90					
			113961	14	120					
8590		01.85- 01.92	**111736**	14	90					
			113961	14	120					
9270		01.92-	**111736**	14	90					
9720		01.87- 01.92	**111736**	14	90					
216 GTX	[Kohler]						01.91- 01.94	**113230**	12	0.7
218 GTX	[Kohler]						01.91- 01.94	**113230**	12	0.7
390 T		01.91- 01.97	**111355**	14	65		01.91- 01.97	**110442**	12	2.1
		01.91- 01.97	**110770**	14	55		A13 01.91- 01.97	**111346**	12	2.8
Various Models		01.76- 12.83	**112989**	14	60		01.71- 01.79	**111737**	12	2.8
		01.81- 01.92	**111736**	14	90		01.73- 01.81	**112313**	12	0.5
			110970	14	65		01.68- 01.77	**110449**	12	3.6
		01.77-	**111948**	14	70		01.51-	**110818**	12	2.1
		01.73-	**110107**	14	55		01.82- 01.92	**110460**	12	2.8
		01.73-	**111184**	14	43		01.69- 01.77	**110615**	12	2.8
		01.83- 01.89	**110770**	14	55		01.69- 01.81	**110439**	12	2.0
		01.79- 01.83	**110178**	14	36		01.70-	**110565**	12	2.8
		01.51-	**114360**	14	70		01.79-	**112136**	12	2.8
			113961	14	120		01.69- 01.73	**110443**	12	2.1
							01.69-	**110819**	12	2.8
							01.91- 01.94	**111012**	12	0.5
							01.50-	**111024**	12	3.6
							01.73- 01.78	**111346**	12	2.8
							01.90-	**114107**	12	3.2
Matbro										
AGRICULTURE										
Various Models								**110462**	12	2.8
								110443	12	2.1
								110442	12	2.1
								113269	12	3.0
Mccormick										
AGRICULTURE										
Various Models								**114107**	12	3.2
Mercedes-Benz										
AGRICULTURE										
700 3.8	[OM314.956]	07.73- 12.75	**111141**	14	55		04.74- 12.75	**110525**	12	3.0
	[OM314.957]						03.74- 12.75	**110525**	12	3.0
700 4.0	[OM364.908]	03.87- 12.91	**111141**	14	55		03.87- 12.91	**110525**	12	3.0
800 3.8	[OM314.957]	07.73- 12.75	**111141**	14	55		03.74- 12.75	**110525**	12	3.0

MERCEDES-BENZ *continued*

800 4.0	[OM364.909]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
900 3.8	[OM314.970]	09.81-	12.82	**111141**	14	55	09.81-	12.82	**110525**	12	3.0
900 4.0 Turbo	[OM364.951]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
1000 5.7	[OM353.985]	12.82-	03.87	**111141**	14	55	12.82-	03.87	**110525**	12	3.0
1000 6.0	[OM366.908]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
	[OM366.912]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
1100 5.7	[OM353.949]	03.79-	03.87	**111141**	14	55	01.81-	03.87	**110525**	12	3.0
1100 6.0	[OM366.908]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
	[OM366.912]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
1300 5.7	[OM353.957]	10.76-	03.87	**111141**	14	55					
1300 6.0	[OM366.958]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
	[OM366.977]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
1400 6.0	[OM366.958]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
	[OM366.977]	03.87-	12.91	**111141**	14	55	03.87-	12.91	**110525**	12	3.0
1500 5.7	[OM353.976]	07.80-	03.87	**111141**	14	55	07.80-	03.87	**110525**	12	3.0
1600 6.0	[OM366.954]	06.90-	12.91	**111141**	14	55	06.90-	12.91	**110525**	12	3.0
65/70 3.8	[OM314.956]	07.73-	12.75	**112098**	14	65	03.74-	12.75	**110525**	12	3.0
Mitsubishi											
AGRICULTURE											
Various Models Tractors				**111832**	14	40			**110210**	24	6.6
New Holland											
AGRICULTURE											
840		02.01-		**113898**	14	185					
		02.01-		**113176**							
1320	[3-77]	01.87-	01.98	**113562**	14	40	01.87-	01.98	**112177**	12	1.7
1520	[3-81]	01.87-	01.97	**113562**	14	40	01.87-	01.97	**112177**	12	1.7
1530	[3-81]	01.96-	01.98	**113562**	14	40	01.96-	01.98	**112177**	12	1.7
1620	[3-81]	01.91-	01.97	**113562**	14	40	01.76-	01.79	**112177**	12	1.7
1630	[3-81]	01.96-	01.98	**113562**	14	40	01.97-	01.99	**112177**	12	1.7
1715	[3-81]	01.87-	01.97	**113562**	14	40	01.93-	01.97	**112177**	12	1.7
1720	[3-81]	01.87-	01.02	**113562**	14	40	01.87-	01.02	**112177**	12	1.7
1725	[3-81]	01.96-	01.98	**113562**	14	40	01.96-	01.98	**112177**	12	1.7
1920	[4-122]	01.87-	01.02	**113562**	14	40					
1925	[3-91]	01.96-	01.98	**113562**	14	40	01.96-	01.98	**112177**	12	1.7
2100	[Caterpillar 3406]						01.85-		**110462**	12	2.8
							01.85-	01.90	**112089**	12	
2110 4-138	[Shibaura Diesel]								**110462**	12	2.8
2115	[Caterpillar 3406]						01.87-		**110462**	12	2.8
							01.87-	01.96	**112089**	12	
2120	[4-138]	01.87-	01.02	**113562**	14	40	01.87-		**110462**	12	2.8
3415	[4-135]	01.93-	01.02	**113562**	14	40	01.93-		**110462**	12	2.8
4635	[Ford]	09.95-	12.98	**111739**	14	55	09.95-	12.98	**110462**	12	2.8
	Ford	09.95-	12.98	**111363**	14	45					
4835	[Ford]						09.95-	12.98	**110462**	12	2.8
5635	[Ford]						09.95-	12.98	**110462**	12	2.8
5640 4.4		11.91-	01.98	**112718**	14	100	11.91-	01.98	**110462**	12	2.8
6635	[Ford]	09.95-	12.98	**111355**	14	65					
6640 5.0		11.91-	01.98	**112718**	14	100	11.91-	01.98	**110462**	12	2.8
7635	[Ford]	09.95-	12.98	**111355**	14	65	09.95-	12.98	**110462**	12	2.8
7740 5.0		11.91-	01.98	**112718**	14	100	11.91-	01.98	**110462**	12	2.8
7840 6.6		11.91-	12.98	**112718**	14	100	11.91-	12.98	**110462**	12	2.8
8080	[M10Y]						01.79-	01.85	**110539**	12	3.6
8160		09.95-		**113529**	14	120	09.95-		**113968**	12	3.6
8240 7.5		11.91-	12.96	**112718**	14	100	11.91-	12.96	**110462**	12	2.8
8260		09.95-		**113529**	14	120	09.95-		**113968**	12	3.6
8340 7.5		11.91-	07.98	**112718**	14	100	11.91-	07.98	**110462**	12	2.8
8360		09.95-		**113529**	14	120	09.95-		**113968**	12	3.6
8430 5.9	[8065.25..]						04.94-		**110522**	12	3.0
8560		09.95-		**113529**	14	120	09.95-		**113968**	12	3.6
8630 8.1	[8365.25..]						04.94-		**110522**	12	3.0
8830 8.1	[8365.25..]						04.94-		**110522**	12	3.0
9030		01.90-	01.97	**111713**	14	105					
9282		01.96-	12.97	**112996**	14	115/130					
9482		01.96-	12.97	**112996**	14	115/130					
9682		01.96-	12.97	**112996**	14	115/130					
9882		01.96-	12.97	**112996**	14	115/130					
8000 Series	[Ford]	01.85-		**113574**	14	65					
		09.95-	12.01	**112718**	14	100					
		09.95-		**113529**	14	120					
M SERIES				**110178**	14	36	09.95-		**112074**	12	3.1
		09.95-		**113529**	14	120					
		09.95-		**112718**	14	100					
NH 95	[M8Y]						01.96-		**112074**	12	3.1
TC Various Models				**113562**	14	40			**112177**	12	1.7
TG210 8.3				**112773**	14	135					
				113999	14	150 IS					

TG230 8.3				**112773**	14	135			
				113999	14	150 IS			
TG255 8.3				**112773**	14	135			
				113999	14	150 IS			
TG285 8.3				**113999**	14	150 IS			
				112773	14	135			
TJ275 8.3				**112773**	14	135			
				113999	14	150 IS			
TJ325 8.9				**112773**	14	135			
				113999	14	150 IS			
TJ375 15.0				**112773**	14	135			
				113999	14	150 IS			
TJ425 15.0				**112773**	14	135			
				113999	14	150 IS			
TJ450 15.0				**112773**	14	135			
				113999	14	150 IS			
TJ500 15.0				**112773**	14	135			
				113999	14	150 IS			
TL Series		10.98-		**114669**	14	65	09.97-	**113182**	12 3.0
		10.98-		**114384**	14	85			
TM SERIES		11.99-		**113529**	14	120			
TS 115		07.03-		**112718**	14	100			
TV 140		01.98-		**112718**	14	100			
TX34								**113125**	12
Various Models				**113621**	14	115		**114021**	12 3.0
				114450	14	120		**114050**	12 4.2
								114196	24 4.0
								114399	12 2.7
Payloader									
AGRICULTURE									
Various Models							01.69- 06.76	**110523**	24 4.8
							01.69- 01.75	**110438**	12 2.1
							01.69- 12.85	**111752**	12 2.7
Renault Agriculture									
AGRICULTURE									
610 RX,RZ	[6059D]			**114513**	14	95			
620 RX,RZ	[6068D]			**114513**	14	95			
630 RX,RZ	[6068T]			**114513**	14	95			
640 RZ	[6068T]			**114513**	14	95			
710	[DPSG-6068T1]			**114514**	14	95		**113532**	12 3.0
720	[DPSG-6068T2]							**113532**	12 3.0
725 6.8	[HRT51]			**114514**	14	95		**113532**	12 3.0
735 6.8	[HRT52]			**114514**	14	95		**113532**	12 3.0
815 6.8	[TRT52]			**114514**	14	95		**113532**	12 3.0
825 6.8	[HRT51]			**114514**	14	95		**113532**	12 3.0
836	[DPSG-6068T2]							**113532**	12 3.0
Various Models								**113432**	
								111332	12 2.7
Same									
AGRICULTURE									
Buffalo 120 6.2	[DA1056]						01.78- 10.80	**110530**	12 3.0
							07.74- 12.77	**110551**	12 3.0
							10.80- 10.81	**111001**	12 3.0
Centauro 70 Diesel		12.81- 10.87		**111180**	14	33	12.81- 10.87	**110530**	12 3.0
		12.81- 10.87		**110882**	14	45			
		06.85-		**110890**	14	55			
Centurion 75 Diesel		11.78- 05.88		**111180**	14	33	11.78- 05.88	**110530**	12 3.0
		01.81-		**110890**	14	55			
		11.78- 05.88		**110882**	14	45			
Drago 5.4							11.71- 12.77	**110551**	12 3.0
							01.78- 05.86	**110530**	12 3.0
							10.80- 10.83	**111001**	12 3.0
Explorer 60 3.0 Diesel	[100.3A]	06.86-		**110882**	14	45			
Explorer 70 4.0 Diesel		07.86-		**110882**	14	45	07.86-	**111001**	12 3.0
Explorer 80 4.0 Diesel							07.86-	**111001**	12 3.0
Explorer 90 4.0 Diesel		06.86-		**110882**	14	45	06.86-	**111001**	12 3.0
Frutteto 75 3.0 Diesel							05.91-	**110530**	12 3.0
							05.91-	**111001**	12 3.0
Galaxy 170 6.2 Diesel							06.83-	**110530**	12 3.0
Laser 100 5.2 Diesel		03.84- 05.85		**110882**	14	45	03.84-	**110530**	12 3.0
Laser 110 5.7 Diesel							03.83- 12.87	**110530**	12 3.0
Laser 130 6.2 Diesel							04.83- 12.87	**110530**	12 3.0
Laser 150 6.2 Diesel		03.83-		**110882**	14	45	03.83- 12.87	**110530**	12 3.0
Panter 4.5	[DA985]						07.74- 12.77	**110551**	12 3.0
Ranger 45 2.7 Diesel		02.82- 08.85		**111180**	14	33	02.82-	**110530**	12 3.0
		09.85- 04.88		**110882**	14	45			

SAME *continued*

Solar 50 2.7 Diesel		06.86-		**110882**	14	45					
Solar 55 2.8 Diesel		06.87-		**110882**	14	45					
Solar 60 3.1 Diesel							06.86-		**110530**	12	3.0
Titan 160 6.0 Diesel		05.91-		**112556**	14	95	05.91-		**110530**	12	3.0
Titan 190 6.0 Diesel		01.92-		**112556**	14	95	01.92-		**110530**	12	3.0
Transporter							01.91-		**110530**	12	3.0
Various Models		01.70-	01.97	**111649**	14	33	01.80-		**111645**	12	0.4
									111001	12	3.0
							11.71-	12.77	**110551**	12	3.0
							05.60-		**110530**	12	3.0
Sampo-Rosenlew											
AGRICULTURE											
Various Models									**114254**	12	2.7 GR
							01.70-	01.90	**111737**	12	2.8
							01.69-		**110545**	12	3.0
Sisu											
AGRICULTURE											
SK 150 6.6	[611 CSBA]						09.81-	12.95	**113484**	24	4.0
Steiner											
AGRICULTURE											
230	[Kubota]			**113856**	14	40					
Steyr											
AGRICULTURE											
8050 2.6	[WD 311..]	09.86-		**113469**	14	33					
8060 2.6	[WD 311..]	09.80-	02.87	**113469**	14	33					
8065 2.6	[WD 311..]	09.86-	09.94	**113469**	14	33					
8070 3.5	[WD 411..]	01.80-	09.94	**113469**	14	33	01.80-		**111001**	12	3.0
8075 3.5	[WD 411..]	01.84-	09.94	**113469**	14	33	01.84-		**111001**	12	3.0
8080 3.5	[WD 411..]	01.80-	09.94	**113469**	14	33	01.80-		**111001**	12	3.0
8085 3.5	[WD 411..]						02.90-		**111001**	12	3.0
8090 3.5	[WD 411..]	01.84-	04.94	**113469**	14	33	01.84-		**111001**	12	3.0
8110 5.2	[WD 611..]	07.84-	09.94	**113469**	14	33	12.78-		**111001**	12	3.0
8130 5.2	[WD 611..]	07.84-	09.94	**113469**	14	33	10.84-		**111001**	12	3.0
8150 6.6	[WD 612..]	12.82-	09.94	**113469**	14	33					
8300 9.7	[WD615..]						02.82-	04.87	**110601**	24	5.4
Ursus											
AGRICULTURE											
912									**110551**	12	3.0
914									**110551**	12	3.0
933									**110551**	12	3.0
935									**110551**	12	3.0
1014									**110551**	12	3.0
1033									**110551**	12	3.0
1035									**110551**	12	3.0
1133									**110551**	12	3.0
1614									**110551**	12	3.0
C360									**110545**	12	3.0
									114254	12	2.7 GR
C385									**110551**	12	3.0
									110545	12	3.0
									114254	12	2.7 GR
Valpadana											
AGRICULTURE											
2020 0.7	[7LD665]						03.88-	12.90	**113268**	12	1.6
Various Models									**113268**	12	1.6
									112171	12	1.1
									110844	12	2.2
VMC 130							01.89-		**112171**	12	1.1
VMC 150							04.84-		**112171**	12	1.1
Valtra											
AGRICULTURE											
305		01.83-		**113574**	14	65					
355		01.89-	01.94	**111362**	14	55					
405		01.83-		**113574**	14	65					
411	[411C]						01.81-	01.85	**113484**	24	4.0
455		01.89-	01.94	**111362**	14	55					
505 3.3		08.82-		**113574**	14	65	08.82-		**114254**	12	2.7 GR
							01.69-	01.75	**110545**	12	3.0
605 3.3		08.82-		**113574**	14	65	08.82-	06.94	**110545**	12	3.0
							08.82-		**114254**	12	2.7 GR
611 6.6	[611C]						01.75-	12.85	**113484**	24	4.0
705 4.4		08.82-		**113574**	14	65	01.71-	01.72	**110545**	12	3.0
							08.82-		**114254**	12	2.7 GR
805 4.4		08.82-		**113574**	14	65	08.82-	06.94	**110545**	12	3.0
							08.82-		**114254**	12	2.7 GR
905		01.83-		**113574**	14	65					

2005		01.85-	**112742**	14	90				
2105		01.85-	**112742**	14	90				
6000		01.90-	**113574**	14	65				
6100		01.90-	**113574**	14	65				
6300		01.91-	**110968**	14	70				
		01.91-	**111355**	14	65				
6400		01.91-	**110968**	14	70				
		01.91-	**111355**	14	65				
6600		01.91-	**110968**	14	70				
		01.91-	**111355**	14	65				
8000		01.90-	**110968**	14	70				
		09.90-	**111355**	14	65				
8050	[620DS]	01.96-	**112556**	14	95	01.96-	**110545**	12	3.0
						01.96-	**114254**	12	2.7 GR
8100		01.90-	**110968**	14	70				
		09.90-	**111355**	14	65				
8150	[620DS]	01.96-	**112556**	14	95	01.96-	**110545**	12	3.0
						01.96-	**114254**	12	2.7 GR
8300	[612D]	01.90- 01.93	**111355**	14	65				
8400	[620DS]	01.93- 01.95	**111355**	14	65				
8450	[620DW]	01.96-	**112556**	14	95	01.96-	**110545**	12	3.0
						01.96-	**114254**	12	2.7 GR
8550	[634DS]	01.98-	**112556**	14	95	01.96-	**110545**	12	3.0
						01.98-	**114254**	12	2.7 GR
8600	[612DS]	01.90- 01.93	**111355**	14	65				
8750	[634DA]	01.98-	**112556**	14	95	01.96- 01.98	**110545**	12	3.0
						01.96-	**114254**	12	2.7 GR
	[634DS]	01.98-	**112556**	14	95	01.96- 01.98	**110545**	12	3.0
						01.96-	**114254**	12	2.7 GR
8950	[634DS]	01.98-	**112556**	14	95	01.98-	**110545**	12	3.0
						01.98-	**114254**	12	2.7 GR
A75N 3.3 Turbo	[33DT]						**113901**	12	3.0
A85N 4.4 Turbo	[44DT]						**113901**	12	3.0
A95N 4.4 Turbo	[44DT]						**113901**	12	3.0
S230 8.4		01.02-	**113610**	14	120				
		01.02-	**112556**	14	95				
S260 8.4	[645D..]	01.02-	**112556**	14	95				
		01.02-	**113610**	14	120				
T120		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
		01.02-	**112556**	14	95				
T130		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
T140		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
T160		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
T170		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
T180		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
T190		01.02-	**113610**	14	120	04.00-	**113570**	12	4.2
Various Models							**113570**	12	4.2
X 100		01.99-	**112556**	14	95				
		01.02-	**113610**	14	120				
X 110		01.99-	**112556**	14	95				
		01.02-	**113610**	14	120				
X 120		01.99-	**112556**	14	95				
		01.99-	**113610**	14	120				
Various Agriculture Vehicles									
AGRICULTURE									
			112194	14	120		**112249**	12	2.7
			110117	28	40		**111015**	12	1.1
			110325	14	18		**111021**	12	1.4
			110448	28	20		**111049**	12	
			110497	14	70		**111103**	12	0.8
			110505	14	75		**111197**	12	2.0
			110591	28	75		**111284**	12	2.5
			110620	14	35		**111573**	12	2.8
			110643	28	40		**111574**	12	2.8
			110969	14	65		**111622**	12	1.2
			110971	14	65		**110182**	12	0.9
			111620	14	65		**110245**	12	1.0
			111369	14	90		**110246**	12	1.4
			111356	14	55		**110356**	12	1.4
			110972	14	65		**110421**	12	0.8
			110975	14	65		**110447**	12	1.0
			111833	28	140		**110461**	12	2.8
			112183	14	60		**110464**	12	2.1
							110468	12	
							110469	12	
							110512	24	5.4

VARIOUS AGRICULTURE VEHICLES *continued*

							110534	24	5.4
							110550#	24	4.0
							110635	12	0.5
							110817	12	2.1
							110940	12	1.4
							110949	12	0.6
							111911	12	1.4
							111855	12	2.2
							111804	12	0.6
							111646	12	0.2
							111701	12	0.8
							112041	12	2.2
							112242	12	0.6
Volvo BM									
AGRICULTURE									
861 5.5	[TD60B]					09.79- 07.86	**113482**	12	3.0
2650 5.5	[TD60B]	05.79- 06.82	**112742**	14	90	05.79- 06.82	**113482**	12	3.0
2654 5.5	[TD60B]	05.79- 06.82	**112742**	14	90	05.79- 06.82	**113482**	12	3.0
A20 6.7						08.86- 08.01	**113850**	24	5.4
L 120 6.7		01.87- 01.02	**113477**	28	55				
		01.87-	**112113#**	28	60				
L 160		01.87- 01.02	**113477**	28	55	01.87- 12.90	**110207**	24	5.4
		01.87-	**112113#**	28	60				
		01.87-	**111528**	28	55				
L 70 4.5	[TD45B]	01.91-	**112113#**	28	60				
		11.91-	**113477**	28	55				
L 90 5.5	[TD61GB]	01.91-	**112113#**	28	60				
		11.91- 01.94	**113477**	28	55				
LM 621 4.0 Diesel	[D42A]					09.70- 06.78	**112132**	24	4.0
LM 641 4.0 Diesel	[D42A]					09.70- 06.78	**112132**	24	4.0
LM 841 5.0 Diesel	[D50B]					04.72- 05.75	**112132**	24	4.0
LM 845 5.0 Diesel	[D50B]					01.71- 12.73	**112132**	24	4.0
LM 846 5.0 Diesel	[D50B]					05.72- 12.75	**112132**	24	4.0
SM 868 5.0	[D50B]					08.70- 10.74	**113482**	12	3.0
SM 980 5.0	[TD50B]					11.71- 06.76	**113482**	12	3.0
T 650 4.0	[D42A]					02.70- 06.82	**113482**	12	3.0
T 700 4.0	[TD42]					06.76- 06.82	**113482**	12	3.0
T350 Diesel						01.61- 08.64	**110537**	12	3.6
T800 Diesel	[D50A]		**112310**	14	55	01.67- 12.75	**111217**	12	3.0
						01.67- 01.75	**110537**	12	3.6
T810 Diesel	[TD50A]		**112310**	14	55	01.69- 01.75	**110537**	12	3.6
						03.69- 12.75	**111217**	12	3.0
T814 Diesel	[TD50A]		**112310**	14	55	01.69- 01.75	**110537**	12	3.6
Various Tractors			**114465**	14	70				
Yanmar									
AGRICULTURE									
YM1300	[2T73]					01.77-	**113680**	12	0.9
	[2TR13]						**112674**	12	1.3
YM1500	[2TR13]						**112674**	12	1.3
Zetor									
AGRICULTURE									
3320		01.92-	**110621**	14	55				
3321		01.97-	**110621**	14	55	01.97-	**114254**	12	2.7 GR
			112035	14	70	01.97-	**110545**	12	3.0
3340		01.92-	**110621**	14	55	01.92-	**110545**	12	3.0
						01.92-	**114254**	12	2.7 GR
3341			**112035**	14	70	01.97-	**110545**	12	3.0
		01.97-	**110621**	14	55	01.97-	**114254**	12	2.7 GR
4320		01.92-	**110621**	14	55	01.92-	**110545**	12	3.0
						01.92-	**114254**	12	2.7 GR
4321			**112035**	14	70	01.97-	**110545**	12	3.0
		01.97-	**110621**	14	55	01.97-	**114254**	12	2.7 GR
4340		01.92-	**110621**	14	55	01.92-	**110545**	12	3.0
						01.92-	**114254**	12	2.7 GR
4341			**112035**	14	70	01.97-	**110545**	12	3.0
		01.97-	**110621**	14	55	01.97-	**114254**	12	2.7 GR
4718		01.74- 01.81	**112098**	14	65	01.74- 01.81	**110545**	12	3.0
						01.74- 01.81	**114254**	12	2.7 GR
5011		01.81- 01.85	**112098**	14	65	01.80- 01.84	**110545**	12	3.0
						01.81- 01.85	**114254**	12	2.7 GR
5211		01.91-	**110621**	14	55				
5245		01.91-	**110621**	14	55				
5320		01.92-	**110621**	14	55	01.92-	**110545**	12	3.0
						01.92-	**114254**	12	2.7 GR

5321			**112035**	14	70	01.97-	**110545**	12	3.0	
	01.97-		**110621**	14	55	01.97-	**114254**	12	2.7	GR
5340	01.92-		**110621**	14	55	01.92-	**110545**	12	3.0	
						01.92-	**114254**	12	2.7	GR
5341			**112035**	14	70	01.97-	**110545**	12	3.0	
	01.97-		**110621**	14	55	01.97-	**114254**	12	2.7	GR
5711	01.97-		**110875**	14	65					
5718	01.97-		**110875**	14	65					
5911	01.97-		**110875**	14	65					
5945	01.97-		**110875**	14	65					
6011	01.97-		**110875**	14	65					
6045	01.97-		**110875**	14	65					
6211	01.91-		**110621**	14	55					
6245	01.91-		**110621**	14	55					
6320	01.92-		**110621**	14	55	01.92-	**114254**	12	2.7	GR
						01.92-	**110545**	12	3.0	
6321			**112035**	14	70	01.97-	**110545**	12	3.0	
	01.97-		**110621**	14	55	01.97-	**114254**	12	2.7	GR
6340	01.92-		**110621**	14	55	01.92-	**110545**	12	3.0	
						01.92-	**114254**	12	2.7	GR
6341			**112035**	14	70	01.97-	**110545**	12	3.0	
	01.97-		**110621**	14	55	01.97-	**114254**	12	2.7	GR
6711	01.97-		**110875**	14	65					
6718	01.97-		**110875**	14	65					
6745	01.97-		**110875**	14	65					
6748	01.97-		**110875**	14	65					
6911	01.97-		**110875**	14	65					
6945	01.97-		**110875**	14	65					
7011	01.97-		**110875**	14	65					
7045	01.97-		**110875**	14	65					
7211	01.91-		**110621**	14	55					
7245 3.6	01.91-		**110621**	14	55	01.84- 01.91	**110545**	12	3.0	
						01.84- 01.03	**114254**	12	2.7	GR
7320			**112035**	14	70	01.92-	**110545**	12	3.0	
	01.92-		**110621**	14	55	01.92-	**114254**	12	2.7	GR
7321			**112035**	14	70	01.92-	**110545**	12	3.0	
	01.97-		**110621**	14	55	01.97-	**114254**	12	2.7	GR
7340	01.92-		**110621**	14	55	01.92-	**110545**	12	3.0	
	01.92-		**112035**	14	70	01.92-	**114254**	12	2.7	GR
7341			**112035**	14	70	01.97-	**110545**	12	3.0	
	01.97-		**110621**	14	55	01.97-	**114254**	12	2.7	GR
7520	01.91-		**112035**	14	70					
	01.91- 01.98		**110621**	14	55					
7540	01.91-		**112035**	14	70					
	01.91- 01.98		**110621**	14	55					
7711	01.91-		**110621**	14	55					
7745 3.9	01.91-		**110621**	14	55	01.88- 01.03	**110545**	12	3.0	
						01.86- 01.90	**114254**	12	2.7	GR
8011	01.97-		**110875**	14	65					
8045	01.97-		**110875**	14	65					
8111						01.75- 01.80	**110551**	12	3.0	
8145						01.75- 01.80	**110551**	12	3.0	
8245						01.75- 01.80	**110551**	12	3.0	
8520			**112035**	14	70					
	01.97-		**110621**	14	55					
8540			**112035**	14	70					
	01.97-		**110621**	14	55					
9211 4.2						01.75- 01.80	**110551**	12	3.0	
9245 4.2						01.75- 01.80	**110551**	12	3.0	
9520			**112035**	14	70					
	01.91- 01.00		**110621**	14	55					
9540			**112035**	14	70					
	01.91- 01.00		**110621**	14	55					
10011	01.97-		**110875**	14	65	06.75- 01.80	**110551**	12	3.0	
10045	01.97-		**110875**	14	65	06.75- 01.80	**110551**	12	3.0	
10111						06.73- 01.80	**110551**	12	3.0	
10145 4.6						01.75- 01.80	**110551**	12	3.0	
10211						06.75- 01.80	**110551**	12	3.0	
10245						01.75- 01.80	**110551**	12	3.0	
10540			**112035**	14	70					
	01.95-		**110621**	14	55					
12011	01.97-		**110875**	14	65					
12045	01.97-		**110875**	14	65					
16045	01.97-		**110875**	14	65					
Various Models			**110621**	14	55					

Application list

Cross Reference List

OE No. - HC-CARGO No.

Edition 2013/2014

ISO 9001
BUREAU VERITAS
Certification

O.E. No.	HC-CARGO
ACE	
13701	130505
CA-14037	111185
CA-14331	110975
CA-5106	112260
CA-5110	110300
CA-5136-3	110505
CA-5148-12	111713
CA-5150-12	110508
CA-5170	112996
CA-5174	113432
CA-5177	112992
CA-9173	112996
CG-15017	110482
CG-I5027	110484
CM-16121	111103
CM-16215	110421
CM-16445	110536
CM-16445	110775
CM-16739	111683
CM-16795	110182
CM-3591	110529
CM-3592	110522
CM-3600	110518
CM-3621	110536
CM-3670	110536
CM-3680	110523
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CM-4051	110347
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CM-4055	110999
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CM-4161	110534
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CM-8005	111041
CM-8007	110604
CM-8011	111760
CM-8012	112268
CM-8017	111221
CM-8041	111224
CM-8042	112243
CM-8043	111224
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VR-2226	130033
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ADR0009	110300
ADR0010	112989
ADR0036	110801
ADR0045	112996
ADR0047	112160
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ADR0072	110591
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ALU0013	113623
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AND0217	113921
AND0459	113921
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GDR0002	113143
GDR0003	113598
GHI0002	113145
GHI0006	113145
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SAB0060	111012
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SDR0028	110436
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SNK0034	113007
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STC0026	113017
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18145N	113893
18404N	113734
3109N	113728
55513N	112546
6371N	110436
6372N	110436
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6589N	113452
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7197N	110300
G108	113145
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S1053	110510
S1053N	110510
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S1058	111012
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SSE6001	231525
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SB-00332R	111755
SB-00351R	110206
SE-0015R	110462
SJ-0011R	111683
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SJ-00291R	113663
SJ-00295R	113597
SJ-0087R	110412
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ST-0020R	110421
SY-0073	110534
SY-0075	110206
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2762	171025
ALFA ROMEO	
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116760506100	110890
AT050600108	110882
ARROW	
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29-1185	112260
29-1187	110300
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29-1361	110801
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29-1363	110801
29-1369	110591
29-1870	113432
31-1043	113142
31-1109	113143
35-1953	113125
35-2052	110462
35-2064	110462
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36-1082	110421
36-1326	111683
AND0237	113856
SBO0155	113726
SBS0009	112242
SBS0028	113539
SBS0029	113853
SBS2606	235627
SFD0145	113728
SND0076	113725
SND0132	113734
SND0234	113736
SND0324	113893
SSE6008	231526
AUDI ↪ VOLKSWAGEN	
AVF (DELCO - H/MOGURT)	
808002	110206
001/004	110210
001/109	110210
001/504	110210
001/506	110210
001/507	110210
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002/904	110206
002/906	110206
002/907	110206
002/909	110206
002/911	110206
012/810	110537
IM1	110512
IM1/1	110512
IM131	110601
IM16	110207
IM16/1	110601
IM17/1	110512
IM18	110511
IM21-5/24	110601
IM310	110206
IM316	110213
IM320	110512
IM321	110601
IM324	110534
IM325	110208
IM326	110207
IM34	110537
IM34/1	110537
IM34/3	110537
IM340	110531
IM341	110531
IM35	111217
IM35/1	111217
IM350	110208
IM360	110210
IM362	110213
IM4/1	110512
IM40	110550
IM40/1	110550
IM401	110537
IM403	111217
IM412	110537
IM414	110539
IM502	110206

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
IM505	110207
IM508	110208
IM509	110208
IM510	110210
IM513	110601
IM517	111249
IM521	110208
IM522	110512
IM523	110206
IM524	110512
IM527	111249
IM530	110534
IM540	110531
IM547	110512
IM554	110512
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O.E.M. names and numbers are used for reference purposes only.

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0190309016	235783
0190309018	235784
0190309019	130032
0190309020	235786
0190309025	130032
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0190309029	235783
0190309030	130032
0190309032	235781
0190309036	130032
0190309037	235783
0190309038	130032
0190309040	235786
0190350005	130032
0190350009	235781
0190350015	235786
0190350034	235786
0190350038	130032
0190350039	130032
0190350040	235786
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0190350045	235781
0190350046	235782
0190350054	130032
0190350055	235784
0190350059	130032
0190350063	235786
0190350069	130032
0190350079	130032
0290800022	150100
0290800028	150407
0290800036	150407
0290800044	150408
0290800052	150101
0311424007	171194
0311424008	171195
0330001015	080177
0330001016	080178
0330001018	080177
0330001026	081001
0330001040	081166
0330001041	080177
0330001043	080994
0330106017	081002
0330106018	081000
0332014119	160282
0332014125	160265
0332014150	160265
0332014151	160265
0332014203	160266
0332014409	160083
0332015001	160168
0332015002	160169
0332017100	160365
0332017103	160363
0332201201	160337

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
BOSCH *continued*	
0332204101	160308
0332204113	160308
0332204125	160081
0332204150	160081
0332204151	160308
0332204202	160337
0332204203	160216
0332204212	160271
0332204402	160316
0332207104	160366
0332207202	160368
0332207307	160919
0332207402	160521
0332209159	160081
0333300003	180290
0333301007	180232
0333301009	180233
0334200045	160242
0335200003	160242
0335200004	160242
0335200005	160244
0335200006	160244
0335200012	160242
0335200013	160242
0335200016	160244
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0335200058	160242
0335200066	160242
0335200067	160244
0335200068	160242
0335200073	160242
0335200075	160242
0335200078	160243
0335200160	160263
0335215140	160262
0335215143	160262
0335215150	160199
0335215154	160199
0335402009	160262
0341003004	181599
0392020024	070192
0392020026	070206
0392020034	070203
0986010648	110868
0986010950	110461
0986010990	110536
0986011000	110775
0986011020	111332
0986011060	110814
0986011061	110814
0986011130	111752
0986011140	110536
0986011160	110517
0986011161	110517
0986011180	113467
0986011190	112249
0986011200	110536
0986011210	111332
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0986011221	110529
0986011240	110525
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0986011270	110536
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0986011310	110521
0986011311	110521
0986011330	110518
0986011331	110518
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0986011370	112132
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0986011490	110206
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0986011510	110210
0986011513	110210
0986011530	110537
0986011540	110537
0986011550	110512
0986011570	110206
0986011950	110521
0986012420	111755
0986012431	113269
0986012670	110529
0986012670	110813
0986012671	110813
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0986012710	110530
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0986012740	110208
0986012831	110182
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0986013100	110844
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0986013430	110213
0986013480	110525
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0986013690	110545
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0986013733	110206
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0986014740	111755
0986014780	110512
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0986014900	111911
0986014910	110207
0986015040	112660
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0986016550	112555
0986017110	111911
0986017280	111752
0986017290	112135
0986017310	112039
0986017430	111855
0986017510	112074
0986018070	112034
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0986018151	110615
0986018161	110819
0986018290	111855
0986018980	113182
0986019000	110206
0986019003	110206
0986019020	112071
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0986020181	110461
0986022680	111346
0986022750	110462
0986023190	110565
0986023440	110439
0986023460	110447
0986023510	110443
0986023700	111103
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0986023820	110442
0986023990	112442
0986030110	111649
0986030110	111948
0986030120	110899
0986030120	111180
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0986030130	110641
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0986030150	112098
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0986030290	110766
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0986030610	110360
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0986030660	111141
0986030740	110360
0986030748	110360
0986030760	111289
0986030760	111362
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0986030768	110770
0986030768	111289
0986030768	111362
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0986030778	110969
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0986030778	111289
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0986030790	111289
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0986030900	110972
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0986030908	111168
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0986030928	111168
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0986030948	111035
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0986030971	110890
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0986030980	110890
0986030980	110912
0986030981	110912
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0986031058	111289
0986031100	110360
0986031108	110360
0986031178	110969
0986031190	113477
0986031250	110043
0986031251	110043
0986031260	110766
0986031270	112098
0986031290	111141
0986031300	111141
0986031320	110117
0986031330	112736
0986031340	112097
0986031350	111289
0986031358	111289
0986031380	111289
0986031388	110968
0986031388	111185
0986031388	111289
0986031410	110611
0986031411	112768
0986031440	110875
0986031450	110761
0986031453	110761
0986031470	110360
0986031478	110360
0986031508	110975
0986031691	110178
0986031701	110178
0986031830	110975
0986032100	110611
0986032120	110890
0986032301	111289
0986032710	112742
0986032770	110975
0986032930	110881
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0986033070	113469
0986033090	113611
0986033220	111289
0986033228	111289
0986033230	110890
0986033240	111289
0986033248	111289
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0986033251	111035
0986033310	111289
0986033318	111289
0986033320	110105
0986033330	110766
0986033510	110761
0986033540	110766
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0986033840	113477
0986033841	113477
0986033880	110882
0986033881	110882
0986033890	110890
0986033890	110912
0986033891	110882
0986033891	110912
0986033891	112768
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0986033940	111289
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0986034188	110107
0986034188	111948
0986034200	111289
0986034260	111141
0986034420	111419
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0986034490	110882
0986034668	110972
0986034940	113611
0986035131	110969
0986035630	111686
0986035631	111686
0986035760	110882
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0986036020	110770
0986036020	111289
0986036020	111362
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0986036060	111289
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0986036063	111356
0986036110	111289
0986036198	110770
0986036230	112768
0986036641	110620
0986036750	111620
0986036750	111686
0986036800	111215
0986036800	113632
0986036820	112529
0986036930	110360
0986037120	111620
0986037121	111620
0986037140	111620
0986037150	111620
0986037150	111686
0986037271	111048

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
0986037340	112194
0986037380	112194
0986037450	110105
0986037450	113632
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0986037970	112194
0986037990	112194
0986038050	112098
0986038160	111369
0986038170	111369
0986038170	112529
0986038176	112529
0986038290	111833
0986038351	112113
0986038940	111369
0986039711	110968
0986039740	111369
0986039740	112529
0986039743	111369
0986039800	112098
0986039810	113531
0986039820	111978
0986040280	111843
0986040290	111888
0986041040	112529
0986041060	112196
0986041610	111168
0986041640	111833
0986041840	112046
0986041940	112097
0986043130	112196
0986044571	112238
0986044581	110178
0986044581	111185
0986044591	110770
0986044591	111355
0986044601	110179
0986046000	112529
0986046030	112062
0986047210	113949
0986080200	110483
0986081030	112160
1020484017	113531
1305320816	170620
1305320818	170621
1315601902	171237
3334485007	190767
3334485008	190766
3337213001	080177
9000083028	110525
9000083054	110525
9000084018	110208
9000143400	110439
9004475035	110615
9004475058	110565
9004475061	111346
9004475300	111103
9007044002	110525
9007044014	110462
9120060041	111843
9120060042	113531
9120080056	110360
9120080089	110360
9120080120	110360
9120080139	110360
9120144105	110043
9120144111	110043
9120144114	110043
9120144118	110043
9120144119	110043
9120144201	110912
9120144202	110912
9120144238	110912
9120144239	110912
9120215028	235781
9120331502	110178
9120331854	111289
9120331864	111289
9120331872	111289
9120331881	110890
9120331901	110178
9120331913	110178
9120690170	110497
9123369044	111369
9124476014	113474
9187451002	160734
9190082001	235783
9190083000	235783
9190215028	235781
26025155A	110536
6004AA3014	113900
6033G2019B	111843
6033GB2009	111978
6033GB3045	113895
BNG4/12CR215	110537
BNG4/12CR222	111217
BNG4/12CR247	110537
BNG4/24	110512
BNG4/24CR165BR	111249
BNG4/24CR165SR	110601
BNG4/24CR231	110512
BNG4/24CRS162	110208
BNG4/24CRS163	110512
BNG4/24CRS165BR	111249
BNG4/24CRS165SR	110601
EJD3/12BR3	110530
EJD3/12BR4	111791
F000AL0115	113900
F005A00023	111888
F005A00024	111843
F005A00025	113531
F026T02200	235781
F026T02201	235782
F026T02202	235783
F026T02203	235784
F026T02204	235785
F026T02205	235786
BRIGGS & STRATTON	
3886	139418
4114	139395
234466	234466
280104	139395
391135	234211
391178	111804
391461	137278
393017	110635
393254	139417
393374	230149
394674	110635
394807	111804
394808	110635
394890	230149
396306	111804
396865	139418
397809	234171
398003	234211
399928	112242
435307	110635
490421	139418
490467	139417
490771	139418
491546	234170
491836	230399
493219	234167
495100	112242
495877	139417
495878	139418
497596	110635
497606	230400
498148	112242
691185	234171
691188	234170
691564	113539
692024	234211
693059	139395
693469	113539
693551	113853
693713	235627
696539	139417
696540	139418
808106	113539
BUTEC	
110207	110207
851078	111000
851122	111000
851339	111000
851606	110643
854494	110643
855689	111000
857468	110210
857470	110206
857592	110643
857594	110643
857601	111296
857606	110643
857623	111296
857645	111296
858442	111000
858444	111000
858506	111000
858619	111296
858762	111574
858776	111355
858787	110968
858885	110077
858979	111000
859385	110643
859539	110523
859542	110518
859673	110643
859883	110442
860104	110517
860109	110525
860121	110208
860130	110525
860132	110210
860150	110077
860334	111000
860504	110208
860506	110210
860508	110206
860568	112493
870644	110449
870646	111024
858772Z	110043
A3024/13	110643
A3024/30	110643
A3024/33	110643
A302413	110643
A4024/15	110643
A5524/39	111296
A5524/49	111296
LNA4024/0	110643
LNA4024/8	110643
LNS2810	111041
LNS4524/20	110518
MS1/401A	111000
MS1/411AZ	111000
MS1-101	111000
MS1-103	111000
MS1-124	111000
MS1-401	111000
MS1-401A	111000
MS1-401C	111000
MS1-403A	111000
MS1A/20	111000
MS1A/25	111000
CASE	
2852405	114196
86982709	113725
114799A1	111885
125849A1R	112773
1273112C91	110933
1987559C1	113725
202360T91	112773
202386T91	110436
3218239EX	110641
3218544EX	112098
3218577EX	111662
3218884EX	110766
3228193EX	111752
3229193EX	111752
529965R92	112660
91448C2	112773
957340EX	110818
A130672Z	111713
A169694	112169
A170746	113725
A186180	112135
A187597	111885
A187623	111843
A187728	113429
A187873	111888
A231295A1	111355
A49652	110300
C26525	234072
C33024	234072
K308650	110462
K957340	110818
K957340EX	110818
L72955	110300
M41595	110766
PO9415420	112170
R39341	110627
CATERPILLAR	
25900	110999
86385	110075
0R1522	112260
0R1903	114280
0R2186	110999
0R2187	111000
0R2189	110436
0R2190	111000
0R2415	110591
0R2698	110801
0R2735	113695
0R4259	111000
0R4263	113695
0R5202	112260
0R5207	110999
0R5208	110436
0R5209	111000
0R5213	110347
0R5217	110801
0R5218	110436
0R5270	110999
0R5347	112089
0R8279	112160
104-7040	113695
105-2811	114218
105-2812	114218
107-7977	112160
132-2156	112160
147-7166	114280
1L8174	111000
207-1564	111000
225-3141	113763
225-3149	114388
2N3538	110436
2P1204	110427
2P1698	110427
2P2501	110999
2P5113	110427
2S0900	110999
2S900	110999
2S945	110075
3E1864	111224
3E7285	111888
3E7863	112089
3L8205	110347
3N2702	110801
3N2706	110801

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
CATERPILLAR *continued*	
3P0006	110999
3P0007	110999
3P0110	110999
3P3006	110999
3P3007	110999
3R7356	110999
3T2579	110999
3T2646	111000
3T2647	110999
3T2649	111000
3T2650	111000
3T2652	110999
3T2654	111000
3T2655	110436
3T2657	110436
3T2659	110436
3T2660	110999
3T2772	110999
3T2780	110347
3T2785	110347
3T2787	110347
3T2879	112089
3T3152	111000
3T3153	111000
3T3154	112089
3T3778	110347
3T4581	110999
3T4582	110999
3T4584	110999
3T4586	110999
3T6305	110999
3T6352	110801
3T7070	112260
3T8947	110347
3T8949	110347
3T8954	110347
3T8967	110347
3Y6691	110801
3Y8200	110801
3Y8852	110999
4L9547	112089
4N0956	112089
4N0957	111000
4N0959	110347
4N3181	110999
4N3182	110999
4N3343	110347
4N3347	110999
4N3348	110999
4N3349	110347
4N3350	110999
4N7901	110999
4N8118	111000
4N956	112089
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5A6495	110999
5A6522	110999
5A8908	110801
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5L2637	111000
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5L4160	112089
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5L4169	112089
5L4405	110347
5L5353	110347
5L537	111000
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5L637	111000
5L648	110347
5LG48	110347
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5R3155	110999
5R3857	110999
5Z1083	110591
6N1889	111000
6N3122	111000
6N3160	111000
6N5217	110801
6N5468	110427
6N9249	110801
6N9294	110801
6N9667	110347
6N9677	110347
6T0640	110347
6T0647	110347
6V0890	110347
7G7889	112989
7L8797	111000
7N0923	111224
7N6503	110436
7N9720	110801
7S5897	110427
7T0794	111000
7T0798	110999
7T0799	110999
7T0800	111000
7T0801	111000
7T0806	111000
7T1081	110436
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7T1799	110999
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7T9254	110436
8C356	110436
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8C3597	110999
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8C3645	111000
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8C3648	110436
8C3649	111000
8C3650	110999
8C3651	110999
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8H1813	111000
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8L8205	110347
8L8206	112089
8N0999	110591
8N2145	110999
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9G4339	110999
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9G5585	111000
9G6078	110325
9G6941	111224
9G8255	110801
9G9538	110591
9L2507	112243
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9L5938	112260
9L6200	112089
9L6463	112260
9L6464	110347
9L6484	110347
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9M1662	110999
9N0435	111000
9N0453	111000
9N0716	112089
9N0721	112089
9N716	112089
9S4070	110427
9S4870	110427
9W0058	110436
9X0341	111843
OR4263	113695
OR9938	114271
PX0341	111843
SL8206	112089
CAV	
1268030	111810
1277670	111833
1320015	110449
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1320027	110449
1320029	110449
1320510	110449
1320513	110449
1320515	110449
1320702	111024
1320720	111024
1327010	110449
1327011	110449
1327090	111024
1327570	111798
1327571	111798
1403000	110206
2311040	110347
2998000	110525
2998007	110531
2998008	110207
2998010	110210
2998011	110206
2998056	110043
2998150	111000
2998200	110529
2998201	110518
2998230	112097
1320F022	110449
1320F027	110449
1320F028	110449
1320F513	110449
1320F515	110449
1320F720	111024
1320F810	110449
1320G027	110449
1320G028	110449
1320G515	110449
1320G720	111024
1320H027	110449
1320H720	111024
1327A010	110449
1327A011	110449
1327A090	111024
1327A091	111024
1327A570	111798
1327A571	111798
1327A600	110207
1327A601	110207
7167-620A	080595
7167-620B	080207
7167-620C	080212
7167-620D	080212
7180-49A	080211
7180-49B	080211
7180-49C	080210
7180-49D	080210
7185-900G	080995
7185-900H	080996
7185-900K	080211
7185-900P	080210
7185-900T	080212
7185-900W	080595
9009-041	080207
9009-049	080207
9009-050	080208
9009-073	080207
9100-328D	081118
9100-827F	081121
9100-898B	081120
9108-073A	080998
9108-147C	080942
9108-152A	081117
9108-153A	080941
9108-154B	080940
9109-262	080929
9145-040D	080209
9185-900G	080995
9185-900H	080996
CA4512-2	110449
CA4512-51	110449
CA4512-51A	110449
CA4512-72	111024
CA45-12Y72	111024
CA45D12-2	110449
CA45D12-2M	110449
CA45D12-51	110449
CA45D12-72	111024
CA45D12-Y51	110449
CA45F12-2	110449
CA45F12-51	110449
CA45F12-51A	110449
CA45F12-72	111024
CA45F12-Y2	110449
CA45F12-Y51	110449
CA45F12-Y72	111024
CA45F12-Y81	110449
CA45G12-2	110449
CA45G12-2M	110449
CA45G12-51	110449
CA45G12-51A	110449
CA45G12-72	111024
CA45H12-2	110449
CA45H12-72	111024
HPS102	080595
HPS103	080212
HPS105	080998
S11424-18	111798
S11512-2	111024
S11524-18	111798
S115A12-1	110449
S115A12-12	111024
S115A12-2	111024
S115A24-18	111798
S115A24-21	110207
S115HD24-1	110206
Z1320F515	110449
Z1320F720	111024
CITROËN ↪ PEUGEOT	
CLAAS	
1053560	110525
1322450	110537
1326150	110537
6853810	110525
7901820	111649
CUMMINS	
111640	110801
157579	110436
185617	110436
195827	112089
195828	112089
195829	112089
195830	112089
195833	112089
195834	112089
195835	112089
197125	110436
213298	112260
213299	112260
214169	110300
214318	110591
554560	110436
3016627	110801
3016628	112989
3021036	111000
3021038	110347
3043010	112243
3078116	110591
3251135	112160
3279496	110436
3282554	111843
3283812	111885
3283813	113429
3284392	112170
3604654	113452

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
3610942	112089
3675245	113429
3904466	113725
3907622	110436
3908594	112169
3910644	112243
3910645	110436
3910646	110999
3918376	113452
3918377	111760
3920328	113429
3920403	113725
3920617	112160
3920618	112160
3920643	113725
3920678	112170
3920679	111888
3921012	113429
3923550	110801
3923624	112493
3926932	111760
3926960	113725
3935530	112160
3964428	113725
87419387	113429
3010125RX	110347
3016627RX	110801
3603851RX	112260
3603853RX	110300
3603862RX	111000
3603863RX	112089
3603864RX	110436
3603868RX	112089
3603888RX	110347
3604225RX	110591
3604233RX	110999
3604321RX	111000
3604323RX	110436
3604473RX	112989
3604475RX	110505
3604476RX	110952
3604484RX	110999
3604485NW	113725
3604485RX	113725
3604660NW	113725
3604676RX	110801
3604784RX	110999
3675154NW	113725
3675154RX	113725
367520RX	111760
3675242RX	112160
DAEWOO	
25026005	113457
25026006	113458
65.26201-7039	111683
65.26201-7059	111683
DAF	
181991	113477
1340893	112196
DAIHATSU	
27060-87201-000	111048
27060-87202-000	111048
27060-87501-000	111048
27060-87502-000	111048
DELCO ↪ REMY (DELCO)	
DENSO	
021000-0320	110882
021000-6980	111042
021000-7410	110445
021000-7420	110445
028000-1850	110421
028000-2150	110421
028000-2151	110421

O.E. No.	HC-CARGO
028000-2240	110421
028000-2241	110421
028000-2692	110421
028000-3290	111224
028000-3291	111224
028000-3292	111224
028000-3295	111224
028000-3360	110245
028000-3361	110245
028000-3500	110421
028000-3501	110421
028000-3800	110421
028000-3830	110421
028000-4520	111021
028000-4730	110940
028000-5040	111224
028000-5290	110421
028000-5740	110421
028000-5880	110627
028000-5881	110627
028000-5882	110627
028000-5883	110627
028000-5884	110627
028000-6140	110246
028000-6250	110940
028000-6920	111224
028000-6921	111224
028000-7000	111683
028000-7001	111683
028000-7002	111683
028000-7003	111683
028000-7004	111683
028000-7430	113429
028000-7431	113429
028000-7460	110421
028000-7461	110421
028000-7462	110421
028000-7470	110421
028000-7471	110421
028000-7480	110245
028000-7481	110245
028000-7790	111683
028000-7791	111683
028000-7792	111683
028000-8320	110447
028000-8321	110447
028000-8322	110447
028000-8410	112246
028000-8411	112246
028000-8430	110245
028000-8431	110245
028000-8432	110245
028000-8434	110245
028000-8890	110421
028000-9030	111197
028000-9031	111197
028000-9032	111197
028000-9570	110421
056700-4810	160480
096010-0500	080680
096010-0510	080681
096030-0070	080177
096030-0080	080178
096030-0170	080178
100211-0071	110445
100211-0080	110445
100211-0081	110445
100211-0280	110445
100211-0281	110445
100211-0290	110445
100211-0291	110445
100211-0292	110445
100211-0790	110445
100211-0860	110801
100211-1610	111048
100211-1611	111048
100211-1630	111048
100211-1632	111048
100211-1640	111048

O.E. No.	HC-CARGO
100211-1650	111048
100211-1660	110620
100211-1661	110620
100211-1662	110620
100211-1670	113921
100211-1680	111048
100211-4440	111048
100211-4450	111048
100211-4490	111048
100211-4520	113921
100211-4528	111048
100211-4530	110620
100211-4531	110620
100211-4560	111048
100211-4610	113921
100211-4640	111048
100211-4650	113921
100211-4660	111048
100211-4670	111048
100211-4680	111048
100211-4690	111048
100211-4700	110620
100211-4701	110620
100211-4730	113856
100211-4740	113921
100211-4770	113921
100211-4771	113921
100211-5800	110445
100211-6030	111215
100211-6031	111215
100211-6050	111215
100211-6051	111215
100211-6420	111830
101211-1170	113742
101211-1180	111048
101211-1200	113699
101211-1230	111048
101211-1380	113742
101211-2240	114218
101211-2310	114218
101211-2480	111048
101211-2960	113856
101211-2961	113856
101211-2962	113856
101211-2963	113856
101211-3180	113700
101211-3410	114263
102211-8160	113763
102211-8161	113763
102211-8170	113763
102211-8171	113763
102211-8180	113763
102211-8181	113763
128000-0020	111683
128000-0050	111021
128000-0070	110940
128000-0071	110940
128000-0210	113725
128000-0211	113725
128000-0212	113725
128000-0213	113725
128000-0214	113725
128000-0215	113725
128000-0216	113725
128000-0540	113725
128000-0541	113725
128000-0542	113725
128000-0543	113725
128000-0544	113725
128000-0770	111224
128000-0771	111224
128000-0772	111224
128000-0960	111683
128000-1150	111087
128000-1151	111087
128000-1152	111087
128000-1160	110940
128000-1161	110940
128000-1280	113725

O.E. No.	HC-CARGO
128000-1340	112089
128000-1470	110940
128000-2130	110356
128000-2131	110356
128000-2270	113725
128000-2271	113725
128000-2273	113725
128000-2480	113725
128000-2881	111683
128000-2950	112246
128000-3120	113725
128000-3121	113725
128000-3122	113725
128000-3123	113725
128000-3590	110447
128000-3591	110447
128000-4020	113596
128000-4340	113429
128000-4520	113230
128000-4660	111683
128000-4661	111683
128000-4662	111683
128000-4900	110246
128000-5261	110447
128000-5330	113429
128000-5331	113429
128000-5620	113429
128000-5621	113429
128000-5910	111224
128000-5911	111224
128000-5912	111224
128000-5913	111224
128000-6280	110940
128000-6391	113429
128000-6620	110245
128000-6621	110245
128000-6840	110245
128000-6841	110245
128000-7050	113734
128000-7480	112546
128000-7510	110999
128000-7520	110999
128000-8460	113893
128000-8461	113893
128000-8462	113893
128000-9050	111021
128000-9051	111021
128000-9360	113597
128000-9500	113725
128000-9501	113725
128000-9502	113725
128000-9503	113725
128000-9680	111224
128000-9800	113429
128000-9801	113429
128000-9950	110447
128000-9951	110447
228000-0070	110999
228000-0150	111021
228000-0620	113725
228000-0621	113725
228000-0622	113725
228000-0691	111197
228000-0790	110447
228000-0791	110447
228000-0800	110447
228000-0950	111622
228000-0951	111622
228000-0970	110447
228000-0980	110447
228000-0981	110447
228000-0990	111021
228000-0991	111021
228000-1000	110940
228000-1001	110940
228000-1002	110940
228000-1040	110940
228000-1041	110940
228000-1050	110356

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
DENSO *continued*	
228000-1060	110246
228000-1061	110246
228000-1070	110940
228000-1071	110940
228000-1210	112089
228000-1211	112089
228000-1530	111021
228000-1531	111021
228000-1950	113725
228000-1951	113725
228000-1952	113725
228000-1953	113725
228000-1980	111683
228000-2210	113663
228000-2211	113663
228000-2640	112546
228000-2970	113696
228000-3660	111021
228000-3850	111683
228000-3851	111683
228000-3852	111683
228000-4290	111683
228000-4291	111683
228000-4292	111683
228000-4293	111683
228000-4570	111197
228000-4571	111197
228000-4572	111197
228000-4590	111197
228000-4591	111197
228000-4592	111197
228000-4593	111197
228000-4620	113208
228000-4670	113725
228000-4671	113725
228000-4750	111197
228000-5120	113696
228000-5121	113696
228000-5122	113696
228000-5123	113696
228000-5382	111683
228000-5400	114485
228000-5401	114485
228000-5620	113429
228000-5621	113429
228000-6250	110940
228000-6391	113429
228000-6530	113736
228000-6531	113736
228000-6532	113736
228000-6550	113983
228000-6551	113983
228000-6552	113983
228000-6980	113725
228000-6981	113725
228000-7150	110447
228000-7151	110447
228000-7470	114197
228000-7471	114197
228000-7671	111021
228000-8080	113736
228000-8081	113736
228000-8082	113736
228000-8083	113736
228000-8410	110627
228000-9100	113725
228000-9140	113736
34070-16083	113893
34070-16800	113893
428000-0670	111911
428000-1290	113655
428000-1850	113725
428000-1860	113725
428000-2640	110447
DEUTZ-FAHR	
01182173	112046
2.9439.290.0	111686
2.9439.480.0	111686
2.9439.490.0	111686

O.E. No.	HC-CARGO
DIVERSE	
24.3708	111350
24173708000	113431
IM131	110601
IM18	110511
IM522	110512
DIXIE	
101-21103	113432
101-21108	113432
146-93103	113921
146-93104	113921
201-28126	113452
201-28201	111760
201-28206	113007
201-42102	110436
201-42115	110436
201-42119	112089
206-03101	110949
206-03110	112568
206-04109	111701
206-07101	110510
206-07102	110635
206-07109	111012
246-06102	113663
246-06104	113734
246-25107	113725
260-67112	113726
260-69105	111755
A-1101	110591
A-1117	110801
A-1118	112989
A-1250	111713
A-1342	112996
A-1350	113432
A-1360	113432
A-166	112260
A-173	110300
A-178	110325
A-477	113623
A-479	113623
A-484	113623
A-495	113763
A-6255	112773
A-6330	113543
A-772	113740
A-80086	113856
A-8843	113562
MS-6007	113853
MS-632	110510
MS-651	110510
MS-655	111701
MS-670	110949
MS-671	112568
MS-673	113015
MS-677C	112242
MS-696	111012
S-6532	113478
S-80089	111300
S8098	113429
S-8147	110421
S-8152	111683
S-8254	113725
S8285	113429
S-8299	113725
S-8314	110412
S-8326	111300
S-8328	110552
S-8331	110462
S-8397	110421
S-8465	113230
S-8538	112546
S-8823E	111254
S-8865	113596
S-8881	113696
S-8895	113597
S-8896	113663
S-8897	113734
TG-171	113143

O.E. No.	HC-CARGO
TG-176	113598
TS-1500	110436
TS-1504	110436
TS-1561	113125
TS-1576	112268
TS-1602	111760
TS-1603	112089
TS-1640	113007
TS-1644	112268
TS-1648	112668
TS-1649	113452
TS-2000	113728
TS-4014	110462
TS-6010	111755
TS-6046	110206
TS-6071	110534
DOGA	
111.3756.2B.00	160503
111.3756.3B.00	160504
111.9001.2B.00	160395
111.9604.3B.I6	160345
112.1340.2B.04	160558
112.1380.2B.00	160031
112.1380.3B.00	160032
112.1540.2B.00	160506
112.1580.3B.00	160034
113.2550.2B.00	160292
113.2550.3B.00	160293
113.5440.2B.00	160357
113.5623.2B.10	160290
113.5623.3B.10	160291
115.7463.3B.I0	160345
116.5365.2B.IE	160659
116.5404.2B.D0	160725
116.5565.2B.D0	160258
116.5565.3B.D0	160408
121.0901.GA.I6	160484
127.0907.GA.04	160571
162.4102.2B.00	160005
162.4102.3B.00	160006
316.5565.3B.D0	160408
P100	160330
P40	160321
P45	160322
P50.1	160323
P60	160325
P60.1	160326
P60.3	160326
P60.4	160326
P65	160327
P65.1	160327
P65.2	160370
P70	160328
P70.2	160411
P702	160411
P80	160329
DODGE ↪ CHRYSLER	
DUCELLIER	
6127	110439
6232	110439
7530	110971
451013	112768
516011	110178
538501	110462
538502	110565
538505	110565
EFEL	
03106	110537
03109	111217
03285	110512
04667	110601
06000	110060
6000	110060
06030	110061
6030	110061
06710	110601

O.E. No.	HC-CARGO
06730	110531
06940	110512
07940	111217
08780	110207
08790	110208
10420	110525
10430	110536
10450	110520
10460	110523
10570	110531
10590	111180
10600	110534
10610	110531
10810	110531
10890	112097
10910	110890
11360	110525
11370	110529
11380	110521
11420	110522
11430	110518
11580	110523
11640	110536
11705	110912
11750	110530
11930	110521
12080	110517
12590	110206
12950	110208
13100	110525
13460	111035
13830	111686
13850	111620
14100	110536
14650	110522
14660	110814
22201	110512
22602	110206
22604	110207
22605	110208
22606	110208
22607	110210
22609	110601
22612	111249
22616	110512
22617	110534
22621	110531
22624	110512
22625	110512
22701	110210
22703	110213
22706	110531
22708	110531
22801	110537
22802	111217
22806	110539
ELETTROSTART	
ES612AM3TG	090318
ES622AM3TG	090317
ELMOT	
0050000	110210
0070000	110213
0090000	110531
0100000	110531
0120000	110531
3370000	110611
6050000	110210
6080000	110206
6090000	110523
6100000	110207
6110000	110208
6130000	110601
6140000	111249
6160000	110512
6180000	110534
6220000	110531
6250000	110512

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
A124N	110611
ALT2N-14	110968
R10.03	110550
R10.05	110520
R10.06	110550
R10.07	110550
R10.08	110523
R10B	110550
R10G	110550
R10TA	110520
R10U	110550
R11.01	110545
R11.02	110551
R11.03	110522
R11.06	110545
R11.07	110529
R11.10	110545
R11.12	110536
R11A	110545
R11B	110551
R11C	110522
R11F	110545
R11K	110536
R11N	110545
R11W	110529
R20.17	110512
R20.42	110210
R20Z	110512
R22.05	110210
R22.07	110213
R22.10	110531
R22.12	110531
R23.05	110210
R23.08	110206
R23.10	110207
R23.11	110208
R23.13	110601
R23.14	111249
R23.16	110512
R23.17	110512
R23.18	110534
R23.25	110512
ELPRESS	
A4685R	190255
ELSTOCK	
25-0008	110551
25-0013	111103
25-0016	110449
25-0018	110537
25-0018	111217
25-0037	110536
25-0040	110439
25-0041	110443
25-0041	110565
25-0041	111346
25-0060	110462
25-0063	110818
25-0064	110462
25-0064	111499
25-0064	112074
25-0065	110462
25-0070	110462
25-0072	112039
25-0073	110775
25-0076	110438
25-0081	111573
25-0089	112249
25-0090	110537
25-0104	110245
25-0119	110421
25-0125	110537
25-0141	110439
25-0142	110818
25-0155	110536
25-0157	110536
25-0162	113482
25-0177	111791
25-0189	110525
25-0198	112660
25-0201	110615
25-0201	111737
25-0201	113534
25-0208	111752
25-0210	110551
25-0220	113467
25-0226	110529
25-0226	110813
25-0227	111221
25-0227	111755
25-0232	111752
25-0262	110525
25-0264	110537
25-0264	111217
25-0270	111001
25-0275	111001
25-0280	110461
25-0282	110536
25-0285	111224
25-0287	110530
25-0287	111001
25-0315	110545
25-0324	111217
25-0334	110443
25-0337	111332
25-0339	110529
25-0339	110640
25-0339	110813
25-0340	110814
25-0352	113269
25-0355	110442
25-0355	110443
25-0356	113268
25-0413	111332
25-0430	110545
25-0430	114254
25-0432	111755
25-0433	110462
25-0441	112089
25-0465	110813
25-0472	110522
25-0476	110412
25-0486	110246
25-0487	113482
25-1003	110819
25-1007	110817
25-1012	110518
25-1022	110460
25-1029	112136
25-1030	111346
25-1050	111683
25-1055	110491
25-1058	110844
25-1073	110439
25-1084	110245
25-1085	110933
25-1087	110421
25-1088	110551
25-1094	111021
25-1097	110356
25-1106	111683
25-1109	110933
25-1113	112246
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25-1119	110438
25-1131	111098
25-1151	110412
25-1151	111683
25-1157	110182
25-1163	112674
25-1164	110447
25-1173	110469
25-1176	110551
25-1178	111332
25-1201	110421
25-1225	111015
25-1242	110539
25-1263	110520
25-1268	110640
25-1268	113381
25-1400	110443
25-1410	110565
25-1415	112039
25-1416	110819
25-1436	110627
25-1443	110530
25-1444	110530
25-1466	112034
25-1466	112171
25-1473	112034
25-1485	112034
25-1487	110530
25-1489	112041
25-1496	110933
25-155	110536
25-1629	110770
25-2001	110468
25-2008	112268
25-2025	111300
25-2040	111885
25-2067	111574
25-2086	111197
25-2087	111224
25-2089	110940
25-2094	110552
25-2095	112074
25-2109	111197
25-2110	112555
25-2126	110356
25-2189	111087
25-2194	110447
25-2226	112442
25-2241	112172
25-226	110529
25-2286	110178
25-2313	110464
25-2314	111703
25-2321	111855
25-2330	111300
25-2357	112172
25-2368	110421
25-2390	111855
25-2402	111346
25-2427	111755
25-2431	112135
25-2433	110510
25-2435	112135
25-2460	111499
25-2464	113725
25-2494	110460
25-3059	113182
25-3062	112442
25-3079	111024
25-3123	112071
25-3148	112442
25-3157	110447
25-3162	111260
25-339	110529
25-4000	110552
25-4047	113696
25-4079	114021
25-432	111755
25-472	110522
25-495	110178
26-0069	110868
26-1116	110421
26-1280	112172
26-1290	111911
26-2238	111911
26-3376	111911
26-415	110178
27-0535	110611
27-0537	110899
27-0538	110611
27-0561	112098
27-0565	112098
27-0566	112098
27-0567	111141
27-0572	110077
27-0624	112098
27-0630	110641
27-0648	110975
27-0721	110611
27-0722	110105
27-0723	111289
27-0730	110105
27-0730	111649
27-0775	110170
27-0832	110075
27-0837	110178
27-1618	111042
27-2526	111686
28-0285	111224
28-0502	110975
28-0505	110179
28-0506	110975
28-0506	112098
28-0509	110178
28-0509	111185
28-0510	112310
28-0511	111620
28-0511	111686
28-0517	110882
28-0517	110890
28-0527	111948
28-0537	110899
28-0537	111035
28-0537	111180
28-0538	110912
28-0543	110178
28-0543	110179
28-0544	110179
28-0548	111184
28-0561	112098
28-0594	110975
28-0598	110178
28-0603	112768
28-0604	111289
28-0604	113474
28-0606	113574
28-0607	110970
28-0607	111948
28-0620	110360
28-0628	110969
28-0633	110641
28-0635	110968
28-0637	110178
28-0650	110178
28-0650	111185
28-0650	111289
28-0651	110179
28-0651	111184
28-0675	110968
28-0693	110975
28-0700	110875
28-0701	110975
28-0717	113574
28-0718	111035
28-0720	111035
28-0723	110178
28-0723	110968
28-0723	111289
28-0723	113474
28-0724	110969
28-0724	111356
28-0725	110178
28-0725	110968
28-0725	111289
28-0726	110178
28-0726	110969
28-0727	110770
28-0727	111289
28-0730	110105
28-0730	111649
28-0736	110875

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
ELSTOCK *continued*	
28-0739	111141
28-0742	111141
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28-0759	110975
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28-0768	110881
28-0772	112742
28-0773	110882
28-0773	110890
28-0773	110912
28-0773	111686
28-0773	112768
28-0793	110508
28-0794	110178
28-0794	110770
28-0794	111356
28-0794	111362
28-0795	111289
28-0797	110972
28-0799	111168
28-0804	111035
28-0805	110107
28-0805	111948
28-0809	110770
28-0809	111289
28-0809	111355
28-0809	111362
28-0817	110881
28-0825	110075
28-0825	110505
28-0825	110508
28-0849	110972
28-0849	111168
28-0850	110445
28-0864	110972
28-0864	111168
28-0865	110972
28-0865	111168
28-0871	113574
28-0907	111289
28-0927	113611
28-0931	110512
28-0933	110105
28-0934	110620
28-0940	110107
28-0948	111141
28-0973	111948
28-0982	110890
28-0982	110912
28-0982	112768
28-0989	110505
28-0998	110881
28-1503	110620
28-1504	111048
28-1510	110890
28-1513	111185
28-1513	111289
28-1514	111662
28-1535	111048
28-1542	111948
28-1553	110505
28-1586	110360
28-1586	111035
28-1591	113474
28-1602	111740
28-1615	110178
28-1615	111185
28-1626	111215
28-1628	112238
28-1629	110770
28-1629	111355
28-1629	112238
28-1629	112722
28-1629	113574
28-1657	111620
28-1724	112736
28-1734	111686
28-1735	111035
28-1762	110968
28-1771	113632
28-1775	111620
28-1777	110770
28-1777	111355
28-1777	112722
28-1778	111620
28-1783	112718
28-1792	111356
28-1792	111362
28-1830	112046
28-1835	110881
28-1840	111363
28-1843	110770
28-1866	110105
28-1866	113632
28-1873	110505
28-1878	110770
28-1878	113474
28-1888	111948
28-1894	112098
28-1897	110325
28-1901	111141
28-1950	110882
28-1956	112529
28-1957	110621
28-1966	111940
28-1978	110360
28-1985	112183
28-1997	111048
28-2507	111048
28-2538	112529
28-2543	111355
28-2544	113632
28-2550	111369
28-2556	111739
28-2557	111289
28-2574	111888
28-2644	112492
28-2645	111832
28-2648	113531
28-2670	113921
28-2678	111620
28-2685	110178
28-2692	112768
28-2701	110360
28-2738	111716
28-2744	112098
28-2754	110770
28-2784	113469
28-2792	112556
28-2821	111289
28-2835	111289
28-2858	112035
28-2866	113611
28-2883	111978
28-2885	112722
28-2893	111369
28-2911	110882
28-2940	111843
28-2940	113531
28-2952	110105
28-2952	113632
28-2981	110912
28-2993	111940
28-3519	111289
28-3519	111362
28-3529	112194
28-3573	112556
28-3612	112194
28-3646	110508
28-3691	112194
28-3718	112529
28-3731	112389
28-3743	112194
28-3751	111355
28-3757	111740
28-3773	112492
28-3797	113763
28-3801	112196
28-3835	111830
28-3843	112062
28-3925	111048
28-4693	111355
28-5624	113898
28-5902	114379
28-726	110969
28-761	112310
28-773	110912
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29-0503	110483
29-0520	110483
29-0547	110484
45-0030	110531
45-0091	110512
45-0128	110512
45-0128	110601
45-0128	111249
45-0150	110213
45-0184	110534
45-0185	110206
45-0190	110210
45-0197	110207
45-0202	110520
45-0219	110523
45-0228	110518
45-0252	110517
45-0252	110521
45-0254	110531
45-0291	110206
45-0316	113484
45-0327	110208
45-0331	110601
45-0345	110517
45-0354	112132
45-0398	110521
45-0435	110512
45-0438	110999
45-0440	110347
45-0488	110208
45-1027	111000
45-1123	110213
45-1267	110999
45-1274	110534
45-1302	110207
45-1428	110512
45-1463	112243
45-184	110534
45-202	110520
45-2059	110347
45-2061	110512
45-2184	110206
45-2198	113850
45-2213	110999
45-2214	111254
45-228	110518
45-2332	111254
45-2345	111000
45-2375	110206
45-2377	110210
45-2397	111000
45-2401	113184
45-252	110521
45-3110	113356
45-3193	113484
45-345	110517
45-398	110521
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47-0540	112097
47-0541	112097
47-0660	110766
47-0734	110766
48-0529	112747
48-0541	112097
48-0590	110043
48-0591	110043
48-0734	110117
48-0734	110766
48-0741	110761
48-0780	110117
48-0848	111528
48-0848	113477
48-0930	110448
48-1501	112113
48-1501	113477
48-1506	110801
48-1592	111419
48-1667	112113
48-1758	113477
48-1904	110761
48-1921	110766
48-2740	110801
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48-2756	111833
48-2992	110591
48-3684	112170
48-3692	110300
48-3764	113477
48-5610	112160
ELTRA	
64013708	113431
FAUN	
1701054	110525
1701065	110523
1702114	110766
1702117	111141
1702121	112747
4792491	112747
FEMSA	
ALB40-68	110611
ALB40-86	110611
ALF12-18	110968
ALP12N-1	110969
ALP12N-2	110178
ALS12N-51	111289
ALS12N-72	111289
ALS12N-75	111289
ALT12N-11	110178
ALT12N-13	110968
ALT12N-14	110178
ALT12N-2	110968
ALT12N-39	110178
DNL12-22	110482
DNL12E-42	110483
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F135902060010	111332
F139900060011	112039
F716900060060	112071
F920901010010	112529
G198902011010	111978
G345900011010	112098
G515900010100	112196
X830060011	110641
X830060020	112098
X830060022	112098
X830100001	110536
X830100009	111332
FIAT	
992235	111035
2022607	110882
2022612	110890
2961928	110530
4152101	110611
4152610	112097
4152612	110882
4166213	110611
4169096	110813
4172004	110521
4172113	110529
4174626	110611
4187587	110521

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
4220356	112097
4220539	112097
4223787	112097
4224325	110899
4231016	110521
4231018	110521
4232191	110521
4242498	110611
4242730	110890
4257063	110899
4257074	110899
4257771	110899
4263584	110890
4263983	110890
4269114	110521
4274815	110899
4275283	110899
4275285	110899
4275286	110899
4285622	110890
4320622	160308
4320627	160308
4325179	110899
4329019	110611
4379249	160327
4384372	160327
4395131	111035
4403045	111289
4424346	110912
4434084	111035
4447411	110912
4474729	111180
4474752	111180
4474815	110899
4474816	110899
4474902	112097
4474903	110611
4474904	110611
4475266	111180
4475268	111180
4475303	110611
4478678	110912
4682998	110813
4682999	110521
4691200	110517
4692477	110521
4692877	110521
4699704	110521
4699705	110529
4701920	110521
4702248	110529
4706008	110518
4706720	110520
4706931	110517
4710224	110813
4711699	110814
4711700	110882
4713806	110522
4715786	112097
4716026	110518
4716062	110518
4717871	112097
4719664	110814
4721587	110882
4721589	110890
4721591	110890
4721592	110890
4721890	112097
4722682	110813
4722724	112097
4728682	110813
4731839	110890
4732242	110213
4735444	110521
4737754	110521
4737755	110529
4737756	110518
4737757	110520
4737759	110522
4738026	111419
4738563	112097
4738569	112097
4738570	112097
4738571	112097
4738772	112097
4738775	112097
4744841	110517
4745930	110814
4750583	110890
4752403	110517
4755108	110521
4755109	110529
4755110	110522
4755111	110518
4755113	110520
4757192	111419
4757193	111419
4757194	111419
4759929	110813
04763995	110521
4763995	110521
4765931	111686
4765933	111686
4765934	111686
4780974	110347
4782803	110213
4786913	112097
4787665	110882
4787668	111686
4787671	111686
4800503	111686
4800504	111686
4807373	110813
4807374	110814
4807375	110529
4807376	110522
4807377	110517
4807378	110521
4807379	110518
4808498	110882
4808503	110890
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4808506	111686
4808510	111686
4808511	111686
4808517	111686
4808518	111686
4808519	112097
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4844266	111419
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4919664	110814
4998353	111180
5101645	110882
5111319	113381
5882107	160308
5920974	110912
5943452	110912
5955557	111620
5958394	111035
5958395	111035
5958565	111620
5960289	111620
5960292	110912
5962647	110912
5967595	111035
5967596	111035
5970230	110912
5972197	110912
5976915	110912
5979027	160197
5992153	111620
5992155	111620
6706931	110517
7533853	111035
7541401	111620
7541775	110360
7541823	111035
7547935	111620
7548143	111620
7554830	111620
7554832	111620
7554833	111620
7565244	110882
7565391	111620
7565393	111620
7565395	111620
7565560	112768
7575998	110912
7580207	111035
7581975	110360
7618893	160376
7641842	111620
7646189	111620
7646261	111620
7647595	111620
7697863	111620
7697864	111620
7740560	110521
7765558	111035
8122161	110534
8961386	110520
8962534	110520
42498212	110518
46231680	111180
46231684	111035
46231687	111035
46231700	111620
46231735	111620
46231740	111620
46231745	111620
46231751	110882
46231755	110912
46231757	112768
46231758	111686
46231786	110890
46431710	111620
46443793	160197
46445094	111620
46445096	111620
47132888	114002
47137534	114002
50012833	110912
51217620	111180
60808979	160197
61227993	110208
77028550	110882
77028560	110814
77040560	110521
77040561	110521
77050262	110518
77050550	112097
77050561	110517
77050562	110518
77065560	110520
77080560	110517
77080561	110517
77097430	110520
77130560	110520
77138410	110611
77145410	111180
77250410	111180
77320410	111035
77323410	110912
77338410	110912
77340410	110912
77340411	110912
77367411	111035
77414430	110521
77414431	110521
77444430	110521
77445430	110521
77452410	111686
77503410	111620
77515410	110882
77515411	110890
77563430	110520
77604410	111620
88205005	110813
88205006	110529
88206020	112097
99488730	160671
605576460	112773
9612358180	160629
TGE422L	160671
V450DT	113381

FIAT ALLIS

73113742	110801
73119134	110801

FORD

1005308	111362
1005370	111289
1438288	110868
1504563	110178
1516986	110482
1537179	110178
1553523	111289
1568699	110868
1571389	111289
1610118	111362
1620918	112747
1652613	160535
1653206	110461
1653210	110461
1958438	160197
3918688	112074
5003623	110868
5003643	110461
5003897	110178
5003898	111289
5003902	111289
5003903	111289
5007062	111289
5007075	111289
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5023530	111289
5026096	111362
5026102	111289
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6033117	111289
6136276	111289
6136946	111362
6153469	160535
6160195	171162
6173461	113574
6181359	111356
6192883	111289
6696033	171162
7003178	160535
9968969	160647
81866002	112074
82005342	112074
82005343	113968
82006984	070134
82007917	112074
82013922	112074
82013923	113968
89821291	112074
702000150	110462
898821291	112074
1C1T10300BB	113621
69EB10002CA	110482
69EB10346AD	110178
70GB11000BA	110868
715F10300BA	111289
715F10300BB	111289

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
FORD *continued*	
715F11000MA	110461
71BB11000AA	110868
71EB11000BA	110868
71YB11000AA	110462
72GB10300NA	111289
72GB10300RA	111289
74DB10436A	110178
74EB10300FA	111289
74EB10300HB	111289
755F11000AB	110461
755F11000AA	110461
75EB10300EA	111289
76BB10300CA	111289
76BB10300ED	110178
76BB10300HA	111289
76BB10300HB	111289
76BB10300JA	111289
76EB11000AA	110868
77FB10300FA	110178
77FB10300FB	110178
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11.201.991	112046
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11.203.155	113738
11.203.167	112529
11.203.186	112529
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IA0327	110882

ISKRA *continued*

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IA0347	110970
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IA0415	111362
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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1641	171109
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1682	170613
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1104LL	171113
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1601-RED	170785
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O.E.M. names and numbers are used for reference purposes only.

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2407-3708000	111350
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2800J	113740
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A0012800JB	113740

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3063	111000
3074	111000
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13207	112742
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14057	110912

O.E.M. names and numbers are used for reference purposes only.

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15401	110484
15422	113145
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16216	110421
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16289	110868
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16369	110537
16372	110531
16407	110868
16539	110868
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O.E.M. names and numbers are used for reference purposes only.

LUCAS *continued*

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O.E.M. names and numbers are used for reference purposes only.

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27575	112660
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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26021276	113683
26021278	113683
26024243	111184
26025115	113670
26921046	111185
26921168	113683
26925056	112163
35213725	110968
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35259690	111041
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54021493	110179
54021494	110178
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54021868	110178
54021873	111184
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60921031	110969
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61920270	110882
61920271	112097
61920287	111184
61920289	111184
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61920314	111289
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61924050	110536
61924051	110523
61924066	110813
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22704L	110482
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22705L	110482
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22733J	110483
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23572D	110179
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24033A	110107
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24049B	113574
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24059A	110178
24061A	110178
24061B	110178
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24066A	111184
24072A	111356
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24087D	111948
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24134A	111185
24157A	110770
24157D	110770
24157E	110770

O.E.M. names and numbers are used for reference purposes only.

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24214A	111035
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24240A	112238
24241A	112238
24242A	112238
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24246A	111363
24256A	111363
24261A	111362
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24274A	111740
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24295A	113623
24295B	113623
24297A	112238
24298A	111362
24327A	111363
24356A	111355
25092D	111103
25735A	110868
25735E	110868
26024033A	113478
26024070A	113670
26025009B	110615
26025110A	111574
26025115A	113670
26025117A	110523
26025128A	110442
26143A	110818
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26143J	110818
26143Q	110818
26148A	110443
26148F	110443
26148H	110443
26148N	110443
26196A	110443
26196B	110443
26211A	110462
26211A/L	110462
26211L	110462
26211M	110462
26211T	110462
26211U	110462
26220A	110439
26246A	111573
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26246L	111573
26246M	111573
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26281E	110442
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26281J	110442
26281R	110442
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26369J	111737
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27470A	110439
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27508D	112660
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27512D	110545
27513A	111573
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27520D	110615
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27523D	110565
27526A	111573
27526D	111573
27533A	112136
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27593A	110819
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37574A	130884
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LEA0002	111184
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LEA0004	111289
LEA0009	111948
LEA0010	111185
LEA0011	111289
LEA0015	110890
LEA0016	112097
LEA0028	111184
LEA0029	110882
LEA0033	110770
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LEA0035	111355
LEA0036	111355
LEA0038	112238
LEA0044	111289
LEA0045	111035
LEA0055	111362
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LEA0058	112722
LEA0060	112722
LEA0066	111363
LEA0074	111362
LEA0111	111740
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LEA0115	113623
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LEA0120	111739

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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LEA0619	111843
LEA121	111740
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LES0010	110460
LES0011	110442
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LES0016	110615
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LES0019	110565
LES0021	110819
LES0023	110460
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LES0030	112136
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LES0034	110461
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LES0038	110536
LES0039	110523
LES0040	110615
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LES0044	110565
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LES0230	110813
LES0271	113655
LES0281	110447
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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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MM432804	111832
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510-456	110107
510-492	110107
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9AR2915F	110178
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9AR2916F	110178
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9AR2919P	113574
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9AR5022	111289
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O.E.M. names and numbers are used for reference purposes only.

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110-252	111736
110-565	113898
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8MA2010P	110170
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8MA2014P	110170
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8MR2033T	111736
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ITA412	160312
ITA512	160314
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ITE324	160313
ITG312	160242
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ITG412	160244
ITGS312	160242
ITGS324	160261
ITGS412	160243
ITH3	160341
ITJS312	160315
ITRC6	160262
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RDP512	160168
RDP524	160169
RL18012	160477
RL8024	160478
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RLP412	160311
RLP512	160265
RLP5212D	160270
RLP5224	160216
RLP5224D	160271
RLP524	160266
RLPA412	160083
RLPA424	160215
RLPA5212	160316
RLPA5224	160317
RLPD12	160267
RLPS12	160282
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RLPS5224	160337
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34466-20201	111275
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191-1529	113015
191-1567	113015
191-2212	113429
191-2347	113429
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2741	171108
2820	170725
2820	171121
2821	170331
2821	171104
2825	170347
2825	171105
2827	170754
2841	170476
2841	171106
2845	170542
2845	171107
3757	170711
3796	170345
3796	171103
3797	170416
3797	170796
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3892	171492
3893	170346
3893	170774
3894	170594
3895	171491

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5007	170340
5007	170773
5008	170339
5008	170772
5407	170593
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5626	171102
5627	170413
5627	170794
5631	170584
5637	170351
5637	170793
6253	170580
6411	170344
6411	171098
6413	170343
6413	171097
6416	171488
6418	170341
6418	171094
6423	170414
6423	171096
6424	170415
6424	171099
6428	170590
6429	171100
6439	170591
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6451	170342
6453	170592
6461	170411
6461	171095
6475	170588
6476	171139
6480	170589
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7225	170644
7225	171093
7231	170337
7234	171531
7240	170673
7241	170337
7244	170453
7301	170579
7309	170575
7326	170814
7327	170815
7351	170573
7360	170574
7429	170507
7429	171088
7430	170583
7501	171475
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7507	171089
7511	170349
7511	170826
7512	170481
7517	171476
7526	171472
7528	170336
7528	170770
7535	170761
7537	170452
7537	171092
7669	170578
7950	171477
7951	170338
7951	170771
7952	170350
9004	170692

O.E.M. names and numbers are used for reference purposes only.

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9627	170455
9627	171118
9637	170454
9637	171076
9930	170503
64070	170493
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64111	170470
64113	170502
64115	170380
64132	170741
64132	171082
64136	170742
64136	171083
64138	171084
64149	170696
64150	170069
64150	170332
64151	170070
64151	170333
64152	170493
64153	170496
64155	170449
64155	171072
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64156	170836
64173	170576
64173	171073
64175	170478
64183	170681
64185	170718
64191	170572
64193	170334
64193	170768
64193	170804
64196	170348
64196	170792
64199	170006
64210	170720
64211	171037
64212	171034
64213	171035
64215	170800
64215	171080
66042	171613
66050	171132
66154	171683
66240	171133
94196	170450
94196	171125
2321MFX	171379
2322MFX	171380
2351MF6	171381
2351MFX6	170727
2351MFX6	171109
2352MFX6	170756
2352MFX6	171110
2452MFX6	171023
2473MFX6	171033
2721MF	170357
2721MF8	170612
2721MF8W	170545
2721MFHZ	171382
2721MFJF	171384
2721MFX	171024
2722MF	170610
2741MF	170358
2741MF8	170613
2741MFX	171028
2825L	170662
5007L	170660
5008L	170663

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64124MF	170752
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64150SUP	171070
64151ALL	170723
64193GP	171114
64193L	170657
64193L	171113
64193SUP	170804
64193SUP	171066
64215L	171532
7506L	170658
7507LDA	171371
7512A	170481
7527.	170586
7528L	170659
7529.	170482
7533.	170582
7569.	170577
7582.	170581
7597.	170614
9006XS	171794
PANASONIC	
35259380	110525
PARIS RHONE ↪ VALEO	
PERKINS	
31179	110443
31196	110442
31197	110442
34237	110442
34263	110482
1871629	130040
1871633	130040
1871635	130040
1871636	130040
1871703	130040
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2871170	110483
2871175	110483
2871178	110482
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2871181	110484
2871182	110483
2871184	110484
2871609	111185
2871611	110178
2871612	110969
2871613	110178
2871615	110178
2871616	110179
2871619	110178
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2871622	130038
2871623	130039
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2871627	130038
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2871629	130040
2871631	130039
2871632	130038
2871634	130041
2871637	130041
2871638	130041
2871702	130883
2871706	130883
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2871708	110969
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2873003	110565
2873004	110565
2873006	111346
2873008	110819
2873022	111737

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2873109	110449
2873116	110439
2873118	110439
2873119	110442
2873121	110443
2873123	110442
2873124	110442
2873126	110464
2873141	110443
2873143	110439
2873145	110442
2873147	110449
2873152	110818
2873153	110464
2873154	111024
2873168	110818
2873179	110178
2873180	110442
2873181	110442
2873185	110442
2873186	110442
7523002	110442
7523821	110442
37701400	110615
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185046320	113562
185046360	111355
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185046501	113763
185046522	113763
185086291	111300
185086321	110552
185086410	111300
185086500	111300
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185086530	113696
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185086620	111300
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1871A154	110968
1871A163	110968
1873A010	110443
1873A012	110439
1873A013	110442
1873A015	110442
1873A052	110819
1873A053	110615
1873A054	111346
1873A055	111346
1873A056	110615
23737R	111289
23962R	111289
23963R	110179
24123R	111948
26283R	110443
26294R	111737
26295R	110460
26358R	110460
26408R	110460
26410R	110565
26414R	111346
27432R	110439
27533R	112136
2848A275	090225
2848A279	090225
2871A101	111184
2871A102	111185
2871A103	110178
2871A105	110178
2871A107	110178
2871A109	111289
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2871A112	110969
2871A116	110178
2871A118	110178
2871A120	111185
2871A121	111184
2871A122	111289

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2871A124	110968
2871A126	110969
2871A128	110968
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2871A131	111185
2871A132	110178
2871A134	110178
2871A136	110178
2871A137	110179
2871A138	110968
2871A141	110770
2871A147	110770
2871A148	110770
2871A149	112238
2871A154	110770
2871A156	113763
2871A160	111355
2871A163	110770
2871A165	111289
2871A168	113763
2871A301	113763
2871A302	113763
2871A303	113763
2871A306	113763
2871A411	110968
2871D031	110770
2871D032	110107
2871D033	110107
2872D002	110442
2873A001	110615
2873A010	110443
2873A012	110439
2873A015	110442
2873A016	110464
2873A017	110439
2873A029	111346
2873A030	111737
2873A031	111346
2873A102	110443
2873A103	110442
2873A104	110439
2873A105	110464
2873A15	110442
2873B052	110819
2873B053	110460
2873B055	111346
2873B056	110615
2873B057	110460
2873B061	110819
2873B071	110615
2873B072	111346
2873B073	111346
2873D001	110565
2873D003	110443
2873D004	110819
2873D005	110439
2873K405	113655
2873K624	114388
2873K625	114388
2873K626	114388
2873K634	114388
3181A084	113763
3873K625	114388
TPN758	113763
TPN771	113763
PETTER	
282250	110483
PEUGEOT	
168093	080994
655117	160308
655504	160308
655533	160282
9619879180	160570
6434.60	160629

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
PHILIPS	
1157	170724
6336	171469
6421	171471
6458	171473
6498	171475
6499	171476
6620	171477
6807	171479
6811	171484
6814	171480
6821	171481
6828	171482
6829	171483
6849	171485
6850	171486
6854	171487
6864	171488
6866	171489
6913	171491
6929	171492
9004	170692
9005	170693
9006	170694
12023	170470
12025	170380
12027	171124
12036	170741
12036	171082
12039	170591
12040	170948
12052	170822
12060	170726
12064	171135
12065	170777
12066	170776
12188	171869
12227	170575
12241	170577
12247	170579
12256	170331
12256	171104
12258	170069
12258	170332
12311	170576
12311	171073
12325	170581
12336	170070
12336	170333
12342	170334
12342	170768
12342	170804
12356	170742
12356	171083
12396	170754
12396	171123
12401	170582
12402	170583
12413	170584
12422	170585
12428	170696
12445	170586
12454	170493
12454	171068
12455	170496
12458	170718
12475	170681
12496	171089
12498	170335
12498	170769
12499	170336
12499	170770
12500	170337
12503	170673
12516	170410
12516	170775
12569	170009
12569	171065
12593	170572
12594	170644
12594	171093
12596	170071
12597	170612
12598	170357
12600	170610
12604	170610
12605	170357
12605	170610
12620	170338
12620	170771
12718	170814
12728	170815
12748	170573
12803	171139
12807	170588
12814	170339
12814	170772
12818	170590
12819	170580
12821	170340
12821	170773
12822	170593
12829	170448
12829	171119
12844	170341
12844	171094
12850	170342
12854	170411
12854	171095
12860	170005
12864	170343
12864	171097
12865	170005
12866	170344
12866	171098
12875	170509
12886	170951
12894	170726
12910	170594
12913	170345
12913	171103
12929	170346
12929	170774
12960	170725
12960	171121
12961	170347
12961	171105
12972	170720
12972	171077
13241	170578
13256	170476
13256	171106
13258	170449
13258	171072
13311	170478
13324	170614
13336	170412
13336	170836
13342	170348
13342	170792
13401	170480
13401	171086
13402	170507
13402	171088
13413	170938
13421	170483
13422	170481
13445	170761
13454	170494
13496	170849
13496	171090
13498	170349
13498	170826
13499	170452
13499	171092
13500	170453
13516	170477
13516	171108
13593	170360
13597	170613
13598	170358
13620	170350
13628	170362
13748	170574
13807	170589
13814	170351
13814	170793
13821	170413
13821	170794
13822	170482
13822	171102
13829	170456
13844	170414
13844	171096
13864	170415
13864	171099
13866	171100
13910	170474
13913	170416
13929	170417
13929	170795
13961	170542
13961	171107
13972	170800
13972	171080
24356	171084
85122	171133
85126	171132
85410	171613
12258BV	171071
12258PR	170965
12258PR	171070
12258VP	171136
12336AW	170723
12342BV	171067
12342GO	171114
12342GOLD	171114
12342LL	170657
12342LL	171113
12342PR	170804
12342PR	171066
12342VP	171134
12496SV	171371
12498LL	170658
12499LL	170659
12814LL	170663
12821LL	170660
12961LL	170662
12972BV	171079
12972LL	171117
12972PR	171081
12972VP	171137
13342GO	170721
13342HD	170450
13342HD	171125
13498HD	170451
13498HD	171078
13521M	170358
13814HD	170454
13814HD	171076
13821HD	170455
13821HD	171118
13850.	170592
13929HD	170503
13972LL	171532
6445/99	171472
PIC	
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12125	110107
13193	110105
102-211	111911
102-308	110522
102-308A	110522
102-309	110518
102-310	110521
102-310A	110521
102-311	110529
102-311A	110529
102-312	110529
102-313	110813
102-316	110529
102-317	110529
102-322	110529
102-323	110530
102-324	110521
102-325	110520
102-327	111001
102-330	110813
103-083	110421
103-144	110182
103-186	110182
103-224	110933
103-224A	110933
103-330	112177
103-331	111300
103-345	111275
103-352	111300
103-352A	111300
103-352B	111703
103-384	111300
104-106	112674
104-142	110552
104-147	111098
104-232	110443
104-235	110412
104-269	110412
104-277	110565
104-295	110439
105-200	110640
106-010	110510
106-016	110510
106-020	110949
106-024	111701
106-030	113015
106-034	111012
106-034A	111012
106-044	112150
106-055	112831
106-060	112568
106-061	112568
106-077	111701
106-200	110635
106-205	111804
106-206	112242
106-210	113539
106-212	113539
106-305	112313
106-306	112564
106-526	113017
106-526A	113017
108-192A	113269
108-236	110439
108-236A	110439
108-237	110565
108-237A	110565
108-264	111015
108-278	113478
108-378	110439
120-070	112034
120-112E	110775
120-149	111855
120-149A	111855
120-152	112172
120-164	110868
120-164A	110868
120-186	110868
120-186A	110868
120-202	111911
120-310	110844
120-310A	110844
120-331A	111015
120-361	111911
120-497	111755
120-497A	111755
120-498	111755

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO	O.E. No.	HC-CARGO	O.E. No.	HC-CARGO	O.E. No.	HC-CARGO
PIC *continued*							
120-500	111755	120-6009	110512	140-9849	110347	142-153	111000
120-500A	111755	120-6009A	111249	140-9873	111000	142-158	111000
120-501	112249	120-6009B	111249	141-205	111224	142-159	111000
120-504	111752	120-6010	110550	141-209	111224	142-161	110999
120-504A	111752	120-6010A	110208	141-211	111224	142-162	110999
120-504B	111752	120-6030	112034	141-213	111224	142-162B	110999
120-504C	111752	120-6039	113534	141-267	112243	142-164	112243
120-504G	111752	120-6045	112071	141-267B	110436	142-167	112243
120-505	110530	120-6052	112132	141-269	112243	142-167A	112243
120-505A	110530	120-6052A	112132	141-281	111224	142-167B	112243
120-5061A	110512	120-6063	110443	141-317	111021	142-171	110999
120-5061B	110512	120-6075	110436	141-330	112243	142-171B	110999
120-507	110536	120-6083	110213	141-330B	112243	142-172	110999
120-5070	110461	120-6083A	110213	141-330D	112243	142-177	110999
120-5070A	110461	120-6088A	110207	141-330F	112243	142-180	112089
120-513	110536	120-6114	113900	141-331	112243	142-182	110347
120-514	110525	120-6123	112249	141-331A	112243	142-186	110347
120-516	110536	120-6126	111332	141-331C	112243	142-187	110347
120-518	110525	120-6126A	111332	141-350	111224	142-188	110347
120-518B	110525	120-6126B	111332	141-350A	111224	142-188A	110347
120-518C	110525	120-6131	110536	141-350D	111224	142-194	110347
120-524	110525	120-6132A	112249	141-351	111224	142-197	110347
120-526	110529	120-6276	114021	141-351A	111224	142-206B	112089
120-526A	110529	120-800	110999	141-351B	111224	142-211	112089
120-527	112660	120-800A	110999	141-351D	111224	142-212	112089
120-527A	112660	120-803	110347	141-351E	111224	142-212H	112089
120-528	110522	120-803A	110347	141-353	112169	142-213	112089
120-530	110536	120-821	110347	141-353D	112256	142-218	112089
120-531	112660	120-837	110539	141-353F	112169	142-219	110436
120-535A	110529	120-840	112074	141-353J	112256	142-221	110436
120-539	112135	140-556	111041	141-355	112256	142-222	110436
120-539A	112135	140-6051	112546	141-355E	112256	142-222D	110436
120-539B	112135	140-714	111260	141-400	111224	142-225	110436
120-543	110522	140-714D	111260	142-035	111000	142-226	110436
120-548	110462	140-720D	111049	142-037	112089	142-226D	110436
120-550	112041	140-730	110468	142-043	110999	142-241	110999
120-553	112074	140-730A	110468	142-047	112089	142-241A	111000
120-553B	112074	140-731	110468	142-075	112089	142-242	111000
120-556A	110530	140-731A	110468	142-095	112089	142-244	111000
120-561	111791	140-741	110491	142-101	112089	142-253	110347
120-561A	111791	140-741A	110491	142-101B	112089	142-257	110999
120-561B	111791	140-744A	110469	142-101D	112089	142-258	110999
120-562	112074	140-745	110469	142-101F	112089	142-261F	110999
120-564	113726	140-745A	110469	142-101I	112089	142-262	110999
120-565	110521	140-761	111259	142-102	112089	142-262F	110999
120-565A	110521	140-761A	111259	142-102B	112089	142-268	110999
120-565B	110521	140-762	111259	142-102D	112089	142-279	110436
120-566	111885	140-773	110469	142-102F	112089	142-295	110436
120-567	110517	140-774A	110469	142-106F	112089	142-295D	110436
120-568	111001	140-802	110604	142-110	112089	142-313B	111000
120-568A	111001	140-802A	110604	142-111	112089	142-317	110436
120-568B	111001	140-815A	112268	142-115	112089	142-326	110436
120-570	110520	140-828	111041	142-115D	112089	142-332	110436
120-570A	110520	140-828D	111041	142-116	112089	142-364	110436
120-571	110518	140-828E	111041	142-121	110436	142-368	112089
120-571A	110518	140-828G	111041	142-121B	110436	142-368H	112089
120-581A	110537	140-834	110604	142-121D	110436	142-371	111000
120-581B	110537	140-834A	110604	142-121F	110436	142-372D	110999
120-581C	110537	140-834B	110604	142-121J	110436	142-605	111000
120-581D	110537	140-834C	110604	142-122	110436	142-608	111000
120-582B	110534	140-834D	110604	142-122B	110436	142-612A	112089
120-585	110512	140-839	112660	142-125	110436	142-612B	112089
120-585A	110512	140-840	111221	142-125H	110999	142-618	112089
120-589	110206	140-840A	111221	142-131	110436	142-625	112089
120-589A	110210	140-840B	111221	142-131B	110436	142-627	110999
120-589B	110210	140-846	112268	142-132	110436	142-679	112089
120-589C	110210	140-846A	112268	142-132B	110436	142-693A	110436
120-590	112555	140-854	112268	142-133	110436	142-769	111000
120-591	110531	140-854A	112268	142-141	111000	142-781	111000
120-591A	110531	140-881	111760	142-141B	110999	142-795	110999
120-596	110439	140-908	112268	142-141J	111000	142-797	110999
120-597	110813	140-915	111221	142-141K	111000	150-025	113728
120-597A	110813	140-917	111760	142-142	111000	151-351B	111224
120-599	111885	140-918	111760	142-142B	111000	160-203	111000
120-599A	111885	140-919	111760	142-144	112089	160-337	112249
120-6002	110536	140-925	112268	142-151	111000	160-377	112249
120-6002A	110536	140-926	111041	142-151B	110999	170-270	111221
120-6002C	110529	140-927	110604	142-152	110999	180-110A	111103
120-6004	110818	140-936	112668	142-152A	110999	180-131	110868

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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180-300D	110462
180-300H	111499
180-301	110462
180-302	111573
180-302A	111573
180-303	110462
180-305	110819
180-305B	110819
180-306	111346
180-306A	111346
180-307	112660
180-307B	112660
180-308	110460
180-308C	111346
180-309	110565
180-310	110565
180-313	110615
180-313A	110615
180-313B	110615
180-313C	110615
180-315	110462
180-316	110460
180-319	110464
180-319A	110464
180-349	110565
180-349A	110565
180-349B	110565
180-349C	110565
180-349E	110565
180-349F	110565
180-352	110818
180-352B	110818
180-353	110442
180-359	112136
180-359A	112136
180-360	110439
180-360A	110439
180-360B	110439
180-361	110443
180-362	110818
180-366	110438
180-375	113670
180-385	110438
180-387	111574
180-389	110442
180-389A	110442
180-389D	110442
182-104	110536
182-105	110521
182-106	110529
182-107	110439
182-118	110518
182-120	112555
182-121	110565
182-134	110517
182-138	110530
182-140	110813
182-146	111001
182-148	110522
182-154	110529
182-160	110529
182-162	110525
182-170	110814
182-176	110819
182-178	110530
182-184	110615
182-186	112249
182-188	110536
182-192	112041
182-194	111755
182-202	110813
182-206	110462
182-208	112074
182-212	110818
182-224	111332
182-234	112135
182-240	111755
182-246	112135
182-248	112136
182-256A	110537
182-260B	110523
182-278	110206
185-253	110412
185-260	111254
185-260A	111254
190-011	110421
190-011A	110421
190-113	110421
190-115	110421
190-117	110421
190-117A	110421
190-142	110245
190-189	113597
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190-316B	110447
190-317	110940
190-318	110940
190-388	110356
190-425	111197
190-429	111622
190-432	110447
190-437	111021
190-500	111683
190-508	111087
190-531	113596
190-541	112546
190-544	113663
190-548	110940
190-548A	110940
190-556	110246
190-560	111021
190-560A	111021
190-574	113696
190-575	110246
190-578	110940
190-583	111021
190-586	110356
190-587	110246
190-593	111197
190-6023	110447
190-757	111197
190-775	113725
190-796	110436
190-800	110627
190-801A	113725
190-801B	113725
190-801D	113725
190-801F	113725
190-801H	113725
190801J	113725
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190-846	111224
190-850	111224
190-854	111224
190-878	110999
190-878A	110999
190-885	111000
190-9011	111224
199-116	110449
199-116A	111024
202-100	111035
202-101	110912
202-102	111035
202-103	110611
202-110	112097
202-112	111180
202-116	110890
202-117	112768
202-145	113621
203-102	111042
203-167	113562
203-266	111832
203-272	110448
204-124	110107
204-164	110107
204-208A	110448
208-385	111948
208-387	111940
208-388	111716
208-391	111948
208-392	111940
208-396	112183
208-400	113477
208-400A	113477
208-405	111355
208-406	111355
208-588	112529
208-589A	112529
208-597	112529
210-156	110170
210-212	110975
210-221	110975
210-229	111736
210-246	111948
210-268	110445
210-290	111948
211-120	110075
220-021	112046
220-114	111035
220-134A	110875
220-144	110899
220-144A	110899
220-146	112098
220-159	110360
220-159C	110360
220-176	110881
220-187	110077
220-188	110641
220-188A	111662
220-189	112742
220-202	111686
220-280A	112194
220-281	112194
220-281A	112194
220-290	110641
220-295	111369
220-295A	112529
220-295B	111369
220-343	111843
220-345	111888
220-345A	111888
220-349	110105
220-350	111649
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220-356	110801
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220-365	110591
220-366	110882
220-366A	110890
220-367	112493
220-369	110766
220-369A	110766
220-375	112773
220-377	110882
220-378	112170
220-380	111141
220-387	112736
220-389	112747
220-391	110890
220-391A	110890
220-393	112747
220-397	110766
220-399	112097
220-399A	112097
220-406	112747
220-413	112747
220-420	111180
220-420A	111180
220-487	110360
220-5016	112194
240-095	110075
240-120	110075
240-120A	110075
240-122	110075
240-201-9	110505
240-210	110505
240-210-3	110505
240-211	110505
240-211-3	110505
240-214	110505
240-215	110505
240-216	110505
240-217-3	110504
240-218	110505
240-219	110505
240-220	110075
240-222	110505
240-225	110075
240-247	111713
240-247-6	111713
240-252	110508
240-253	110505
240-256	110952
240-257	110505
240-261	110952
240-299	110508
240-299-3	110508
240-299-9	110508
240-300-6	110508
240-301-3	110505
240-301-6	110508
240-301-9	110508
240-306-9	110508
240-785	110591
240-800	112260
240-800A	112260
240-802	110300
240-803	110300
240-806	110591
240-815	110591
240-816	110591
240-816A	110591
240-834	112989
240-835	110801
240-835A	110801
240-836	112989
240-858	113432
240-865	112160
240-865A	112160
240-866	112160
240-866A	112160
240-866B	112160
240-867	112160
240-868	112992
250-142	110641
250-802	110300
260-300	110427
260-301	110427
280-099	110178
280-100	111185
280-101	110178
280-102	110178
280-102A	110969
280-103	111204
280-104	110179
280-104A	110179
280-106	111204
280-111	111185
280-112	110179
280-119	111184
280-127	110179
280-128	111289
280-301	111948
280-303	111185
280-306	110968
280-306A	110770
280-307	111363
280-307A	111363

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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280-308	111289
280-309	111739
280-309A	111739
280-310	111740
280-313	110107
280-318	110107
280-320	113623
280-321	113623
280-324	113623
280-325	112718
280-327	112722
280-328	113623
280-329	113623
280-330	111740
280-331	111184
280-331A	111184
280-333	110770
280-337	111355
280-342	113683
280-347	112718
282-108	110766
282-132	111662
282-143	111833
282-143A	111833
282-148	111686
282-152	111686
282-154	110890
282-156	110641
282-157	111141
282-163	110766
282-164	112097
282-170	112097
282-172	110890
282-174	110882
282-177	112098
282-186	111528
282-190	111888
282-208	112389
282-224	112170
290-171	110801
290-175	113856
290-189	111830
290-193	111048
290-193	113921
290-194	111048
290-196	111048
290-198	111048
290-198A	111048
290-198B	111048
290-199	111048
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290-199A	111048
290-199A	113921
290-199B	113921
290-209	110620
290-402	110445
290-402A	110445
290-405	111215
290-437	111048
290-439	111048
290-5166	113921
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340-111	110505
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340-41B	113598
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340-94	110505
340-99	110505
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380-11	110483
380-12	110483
380-13	110482
380-15	110484
900-004	110213
900-014	110206
900-018	110512
900-023	111217
900-030	110601
900-236	110536
900-248	112135
900-295	110520
900-447	112074
900-605	110512
900-612	110537
900-615	110512
900-810	110818
900-830	110439
900-836	110460
900-837	111573
900-842	110565
900-843	110615
900-848	110460
900-853	110461
900-854	110461
901-077	110521
901-078	110518
901-079	110529
901-086	110813
901-087	110814
901-088	110517
901-096	110814
901-100	110517
901-102	110521
901-103	110521
901-106	110529
901-111	110529
901-213	110421
901-570	112249
901-627	110817
901-635	110439
901-641	110461
901-642	110461
901-655	111737
901-685	110518
901-692	110814
901-702	110421
901-747	112742
901-777	112747
901-808A	110178
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901-813	110179
901-826	110179
901-879	110970
901-890	110975
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902-103	110881
902-145	110770
902-147	110770
902-148	111362
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902-823	112089
902-940	110347
902-976	110347
902-977	110347
903-136	110436
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904-036	111103
904-045	110640
904-071	110868
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905-088	111620
905-092	111686
905-108	110975
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910-307	110814
910-323	111254
910-575	111042
910-623	112097
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910-696	110179
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910-718	111740
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910-945	110075
910-951	110075
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910-992	110075
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911-437	110445
911-601	112260
911-614	110801
940-360	110347
980-005	110461
980-006	110525
980-007	110814
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983-004	110551
POONG SUNG	
03101-3030	111683
03101-3031	111683
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92862817200	160197
PRESTOLITE	
855694	111000
858320	110518
860141	112097
860177	110043
860715	114388
20100190	110912
20100220	111948
20100522	111739
20100530	111739
20100693	110969
20100958	110968
20110134	110881
20110305	111888
20130116	112718
20130133	110077
20130136	111843
20130137	112046
20130192	110179
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20200101	110483
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20500120	110817
20500124	110443
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20500155	110464
20500157	110818
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20500212	110462
20500552	110462
20500673	110461
20500706	111574
20500762	110536
20500839	110517
20500847	110529
20500923	110523
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20513015	110552
20513016	111300
20513022	111703
20513040	110245
20513045	111885
20513051	112041
20513058	111752
20513059	111021
20513069	111855
35258810	111221
35258880	110604
35258990	110604
35259130	111041
35259620	110627
35259650	110604
35259680	110604
35259690	111041
35259710	111041
66021115	110969
66021126	110497
66021136	110968
66021137	110969
66021147	110107
66021149	110972
66021152	110975
66021155	110497
66021169	111204
66021409	110968
66021411	113574
66021412	112238
66021416	110972
66021419	110968
66021429	110968
66021436	110972
66021438	110969
66021445	111356
66021456	110968
66021459	110972
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66021479	110107
66021486	111204
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66021543	111355
66021579	110972
66021583	111948
66021605	111739
66021636	110968
66021637	110969
66021836	112722
66925050	110439
66925051	110442
66925089	110615
66925090	110565
66925170	110462
51-178	110427
51-212	110427
66021126K	110497
66021490A	110643
66021616A	110643
ANB6001	110427
ANB6002	110427
ANB6004	110427
ANB7001	110427
ANB7002	110427
ANB7003	110427
ANB7004	110427
MEO6005	112249
MFY6201I	110999
MFY6201K	110999
MFY6401K	110999
MFY6401L	110999
MFY6601I	110999
MFY6601K	110999

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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PBNA0101	110179
PBNA0104	110179
PBNA0105	110179
PBNA0110	110972
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PBNA0113	110179
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PBNA0143	110968
PBNA0147	110179
PBNA0185	110968
PBNA0190	110912
PBNA0206	110968
PBNA0220	111948
PBNA0228	110968
PBNA0229	110969
PBNA0230	110968
PBNA0382	112238
PBNA0392	110968
PBNA0582	111355
PBNA0584	110077
PBNA0586	110969
PBNA0597	110912
PBNS1176	110461
PBNS1608	111024
PBNS1644	110449
PBNS3015	110552
PBNS3016	111300
PBNS3022	111703
PBNS3040	110245
PBNS3045	111885
PBNS3051	112041
PBNS3058	111752
PBNS3059	111021
PBNS3101	110627
PBNS3102	110627
PUROLATOR	
40222	070076
50107	070191
60107	070191
40106N	070188
REAL	
20401234	110206
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20404081	110813
20404082	113381
REMY (DELCO)	
050	110972
051	111168
052	110972
066	111168
067	110972
068	110972
208	111168
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719	111168
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219051	113458
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390049	113457
390050	113458
390087	111647
1100072	112260
1100073	112260
1100077	110300
1100078	110591
1100080	112260
1100081	112260
1100084	112260
1100086	112260
1100087	112260
1100089	112260
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1100092	110325
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1100777	110075
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
REMY (DELCO) ***continued***	
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1105173	110505
1105174	110505

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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1105177	110505
1105178	110505
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O.E. No.	HC-CARGO	O.E. No.	HC-CARGO	O.E. No.	HC-CARGO	O.E. No.	HC-CARGO
REMY (DELCO) ***continued***							
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1113902	111000	1114067	112089	1114705	110436	1114854	111000
1113903	111000	1114072	112089	1114706	110999	1114855	111000
1113904	110999	1114073	112089	1114708	110436	1114856	110999
1113905	111000	1114074	112089	1114710	111000	1114859	110999
1113906	111000	1114076	112089	1114711	110999	1114860	110999
1113908	111000	1114078	112089	1114712	110999	1114862	110999
1113910	110999	1114081	112089	1114714	110436	1114872	110999
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1113923	110999	1114092	112089	1114727	111000	1114885	110436
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1113941	111000	1114111	112089	1114742	110999	1114896	112089
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1113972	111000	1114148	112089	1114799	112089	1114945	110999
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1113991	111000	1114167	110436	1114825	110436	1114968	110999
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1113993	110999	1114170	112089	1114827	110436	1114971	112089
1113994	111000	1114172	112089	1114828	110436	1114977	110436
1113995	111000	1114174	110436	1114832	110436	1114978	112089
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1113998	110999	1114179	112089	1114834	110436	1114980	110999
1113999	111000	1114180	112089	1114835	110436	1114983	112089
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1114012	112089	1114187	112089	1114844	111000	1114987	111000
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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1117655	110801
1117891	112996
1117897	112160
1117898	112996
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1117915	112992
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1117924	113432
1117933	113432
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1117943	112996
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1117952	113432
1117961	112996
1118381	233624
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1118999	233624
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1831810	113728
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O.E. No.	HC-CARGO
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1990429	110436

O.E. No.	HC-CARGO
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1993754	111224
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1993767	113125
1993769	111224
1993772	110436
1993775	110436
1993783	110436
1993790	111224
1993795	110436
1993796	110999
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1993799	111224
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1993803	112089
1993804	110999
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1993814	110999
1993815	110999
1993816	112089
1993820	110436
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1993840	110347
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1993854	113125
1993856	112089

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1993894	111224
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1993903	112169
1993909	112243
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1993961	110436
1993977	112089
1993983	110436
1993986	112256
1993988	111224
1998266	110468
1998267	110468
1998269	110469
1998270	110469
1998274	110491
1998281	110469
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1998313	111260
1998334	110604
1998336	111041
1998338	110604
1998340	112268
1998350	112268
1998357	112268
1998373	112268
1998378	110604
1998383	111041
1998387	111041
1998394	110604
1998409	110604
1998468	112268
1998481	111041
1998484	112268
1998488	111760
1998519	113007
1998576	111049
2191166	111647
3471214	110972
3472050	110972
3472051	111168
3472052	110972
3472066	111168
3472067	110972
3472068	110972
3472208	111168
3493619	111168
3493719	111168
8600479	114271
10436058	110508
10455304	110469
10455340	110469
10455355	110469
10455513	112546
10455516	112546
10456414	110075
10456415	110075
10459007	110591
10459011	110591
10459020	112989
10459026	112160
10459037	112996
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10459040	112996
10459041	112996
10459050	113432
10459051	113432

O.E.M. names and numbers are used for reference purposes only.

REMY (DELCO) *continued*

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10459159	112996
10459175	112996
10459178	112996
10459200	112989
10459210	112996
10459261	112160
10459306	112160
10459333	112160
10459353	114271
10459367	112996
10459498	112996
10459510	112996
10459547	112996
10461006	113125
10461011	113125
10461021	110436
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10461039	111224
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10461125	110347
10461126	112089
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10461357	110999
10461402	113695
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10461444	113007
10461446	111041
10461447	111041
10461448	110604
10461449	110604
10461463	112268
10461465	111760
10461466	113452
10461468	111760
10461469	111760
10461483	112668
10461486	111760
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10461645	113429
10463072	112260
10463160	110300
10463655	110508
10465044	111041
10465045	111041
10465046	111041
10465047	110604
10465048	110604
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10465406	111041
10465537	113429
10465540	113725
10478803	110436
10478809	110347
10478811	113695
10478855	110347
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10478864	110999
10478879	110347
10478880	110347
10478884	110347
10478911	110347
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10479052	110436
10479104	112089
10479108	112169
10479111	111000
10479115	110999
10479118	110999
10479175	112243
10479196	112243
10479252	111000
10479264	110999
10479607	112268
10479616	111760
10479617	113452
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10479623	111760
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10479925	111713
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10479927	111713
10479929	111713
10479930	111713
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10495425	110508
10495426	110508
10495427	110508
10495429	110508
10497083	111713
10497177	112260
10497425	110508
19010000	110591
19010002	110591
19010008	110591
19010024	110591
19010104	112996
19010108	112160
19010111	112160
19010116	112996
19010145	112996
19010147	112996
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19010188	112996
19010191	112996
19010193	112160
19010195	112160
19010196	112996
19010199	112160
19010207	112996
19011189	114271
19011191	114271
19011192	112160
19011195	114271
19020307	112160
19020346	112160
19020376	112160
19020382	112160
19020383	112160
19020391	112160
19024000	110537
19024008	110539
19024010	110206
19024013	110207
19024015	110208
19024016	110208
19024024	110512
19024025	110206
19024027	111249
19024030	110534
19024051	110210
19024053	110213
19024071	110531
19024099	110208
19024101	113850
19024109	110206
19024201	110520
19024202	110522
19024205	110525
19024223	110525
19024224	110536
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19024230	110529
19024231	110521
19024232	110518
19024234	110523
19024235	110536
19024238	110530
19024242	110517
19024250	111001
19024252	110536
19024253	110522
19024255	110814
19024256	110518
19024257	111752
19024272	110529
19024273	110521
19024550	110512
19024553	110207
19024554	111249
19024555	110208
19024556	110512
19024561	110537
19024562	110537
19024565	111217
19024566	111217
19024576	110208
19024578	110601
19024813	110523
19024815	110551
19024817	110565
19024821	110819
19024824	110536
19025037	110611
19025042	111180
19025044	112097
19025046	110890
19025049	110912
19025051	111035
19025056	110912
19025057	112097
19025060	111686
19025063	111180
19025067	110912
19025075	110043
19025330	111833
19025600	110060
19025602	110061
19025787	111035
19025789	111035
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321-1015	110508
321-603	112260
321-654	110300
321-655	110591
321-660	110801
321-665	110801
321-666	112989
321-667	111713
321-687	112996
321-688	113432
321-697	110591
323-829	110436
323-830	110436
323-840	113125
323-855	110436
323-871	112089
D631	130505
D632	130505
D634	130505
D635	130505
D6353	130505
D646	233624
D663	130505
DRA0071	110483
DRA0072	110484
DRA0110	111649
DRA0120	110899
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DRA0120	111180
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DRA0140	110641
DRA0140	111662
DRA0150	112098
DRA0160	112098
DRA0170	112098
DRA0186	113742
DRA0190	111141
DRA0262	113529
DRA0263	113961
DRA0264	113763
DRA0329	110801
DRA0334	110801
DRA0337	114218
DRA0347	113856
DRA0408	112492
DRA0610	110360
DRA0700	112310
DRA0710	110975
DRA0730	112310
DRA0740	110360
DRA0750	112098
DRA0760	111289
DRA0770	110969
DRA0770	111184
DRA0770	111289
DRA0780	110969
DRA0780	111289
DRA0790	110968
DRA0790	111289
DRA0790	113574
DRA0800	110179
DRA0830	112098
DRA0834	114379
DRA0850	110077
DRA0900	110972
DRA0900	111168
DRA0920	110972

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
DRA0920	111168
DRA0923	111168
DRA0930	110972
DRA0930	111168
DRA0933	111168
DRA0940	111035
DRA0970	110890
DRA0970	111686
DRA0980	110890
DRA0980	110912
DRA1030	110975
DRA1050	110178
DRA1050	111289
DRA1060	110975
DRA1080	110968
DRA1100	110360
DRA1250	110043
DRA1251	110043
DRA1260	110766
DRA1262	110766
DRA1270	112098
DRA1272	112098
DRA1300	111141
DRA1320	110117
DRA1320	110766
DRA1330	112736
DRA1340	112097
DRA1350	111289
DRA1350	111362
DRA1360	110971
DRA1360	112098
DRA1380	110178
DRA1380	110968
DRA1380	111185
DRA1380	111289
DRA1410	112768
DRA1440	110875
DRA1450	110761
DRA1470	110360
DRA1500	110975
DRA1671	110975
DRA1680	110178
DRA1680	110179
DRA1680	110969
DRA1680	111184
DRA1691	110178
DRA1691	110179
DRA1691	111185
DRA1691	111204
DRA2101	110611
DRA2111	112097
DRA2121	110890
DRA2301	111289
DRA2341	111035
DRA2710	112742
DRA2930	110881
DRA2940	110881
DRA2960	110881
DRA3013	110178
DRA3013	110968
DRA3013	111289
DRA3013	113474
DRA3015	111184
DRA3015	111185
DRA3015	111289
DRA3028	110969
DRA3070	113469
DRA3090	113611
DRA3127	110445
DRA3128	111215
DRA3220	111289
DRA3250	111035
DRA3250N	111035
DRA3274	111289
DRA3274	111356
DRA3284	111620
DRA3286	112238
DRA3287	112238
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DRA3435	111204
DRA3443	111042
DRA3445	113632
DRA3453	110620
DRA3458	110970
DRA3458	111948
DRA3459	110107
DRA3463	111948
DRA3464	110770
DRA3530	113611
DRA3540	110766
DRA3546	111184
DRA3547	110968
DRA3548	111184
DRA3549	111948
DRA3554	110968
DRA3556	110178
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DRA3559	110969
DRA3563	111184
DRA3575	110179
DRA3575	110969
DRA3576	110482
DRA3654	110968
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DRA3667	112722
DRA3677	113763
DRA3686	112194
DRA3786	111296
DRA3830	110770
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DRA3880	110882
DRA3880	112768
DRA3890	110912
DRA3890	112768
DRA3940	113574
DRA4059	111716
DRA4063	111940
DRA4180	110107
DRA4200	111289
DRA4209	110107
DRA4209	111948
DRA4213	113949
DRA4260	111141
DRA4420	111419
DRA4430	112747
DRA4940	113611
DRA5630	111686
DRA5760	110882
DRA6010	110770
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DRA6010	111362
DRA6020	111289
DRA6060	111356
DRA6110	111289
DRA6230	112768
DRA6641	110620
DRA6651	111035
DRA6750	111620
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DRA6820	112529
DRA6930	110360
DRA7271	110620
DRA7271	111048
DRA7340	112194
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DRA7990	112194
DRA8160	111369
DRA8170	112529
DRA8290	111833
DRA8351	112113
DRA9711	110968
DRA9800	112098
DRA9810	113531
DRB0280	111843
DRB0290	111888
DRB1060	112196
DRB1640	111833
DRB1840	112046
DRB1940	112097
DRB3130	112196
DRB6000	112529
DRB6030	112062
DRS0008	111087
DRS0024	110813
DRS0025	110522
DRS0067	112442
DRS0152	113478
DRS0202	112177
DRS0259	110436
DRS0267	114002
DRS0271	113532
DRS0640	110868
DRS0950	110461
DRS0950N	110461
DRS0960	110536
DRS0980	110520
DRS0990	110536
DRS1000	110775
DRS1020	111332
DRS1060	110520
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DRS1060	110615
DRS1060	110814
DRS1060	111737
DRS1130	111752
DRS1140	110536
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DRS1143	110536
DRS1150	110439
DRS1160	110517
DRS1180	113467
DRS1190	112249
DRS1200	110439
DRS1200	110536
DRS1210	111332
DRS1220	110529
DRS1220	110640
DRS1240	110525
DRS1240	113482
DRS1270	110523
DRS1280	112132
DRS1310	110517
DRS1310	110521
DRS1321	110521
DRS1330	110518
DRS1330	110520
DRS1351	110520
DRS1370N	112132
DRS1400	110537
DRS1410	110512
DRS1420	110512
DRS1440	110531
DRS1450	110207
DRS1460	110534
DRS1490	110206
DRS1490	110210
DRS1510	110210
DRS1530	110537
DRS1540	110537
DRS1550	110512
DRS1550	110601
DRS1570	110206
DRS1951	110521
DRS1981	110421
DRS2420	111755
DRS2670	110529
DRS2670	110813
DRS2670	113381
DRS2680	112135
DRS2710	110530
DRS2720	110522
DRS2740	110208
DRS2831	110182
DRS2881	110421
DRS2970	110531
DRS2990	110530
DRS3068	111103
DRS3100	110844
DRS3133	110940
DRS3144	111683
DRS3196	110462
DRS3197	110462
DRS3218	110412
DRS3224	110421
DRS3225	110245
DRS3228	110940
DRS3229	110447
DRS3233	110356
DRS3245	111683
DRS3260	110208
DRS3264	110818
DRS3264	111499
DRS3286	110439
DRS3287	110460
DRS3287	110565
DRS3287	111346
DRS3289	110615
DRS3294	110449
DRS3294	111024
DRS3320	110539
DRS3325	110530
DRS3326	111001
DRS3327	111098
DRS3333	110462
DRS3336	110443
DRS3337	112136
DRS3396	110438
DRS3405	110640
DRS3405	113381
DRS3425	110464
DRS3426	111574
DRS3427	110819
DRS3428	110462
DRS3430	110213
DRS3447	110460
DRS3456	111573
DRS3458	110817
DRS3463	110460
DRS3480	110525
DRS3518	111760
DRS3620	110522
DRS3627	111103
DRS3680	110536
DRS3688	111300
DRS3690	110545
DRS3696	111332
DRS3703	110552
DRS3730	110206
DRS3789	110461
DRS3796	110442
DRS3818	112442
DRS3850	110640
DRS3947	111885

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
REMY (DELCO) *continued*	
DRS3954	114388
DRS4730	111755
DRS4740	111755
DRS4780	110512
DRS4850	113482
DRS4890	112172
DRS4900	111911
DRS4910	110206
DRS4910	110207
DRS5040	112660
DRS5420	112041
DRS6520	110210
DRS6550	112555
DRS7110	111911
DRS7280	111752
DRS7290	112135
DRS7310	112039
DRS7430	111855
DRS7510	112074
DRS8110	111015
DRS9000	110206
DRS9020	112071
DRS9020	112555
DRS9040	111015
DRZ0100	110325
DRZ0100	110504
DRZ0100	110505
DRZ0102	110075
DRZ0104	110170
DRZ0111	112260
DRZ0115	110300
DRZ0116	110325
DRZ0118	110427
DRZ0129	110504
DRZ0129	110505
DRZ0130	110505
DRZ0131	110505
DRZ0131	110508
DRZ0132	110591
DRZ0142	110801
DRZ0143	110952
DRZ0182	110508
DRZ0191	112996
DRZ0208	110504
DRZ0208	110505
DRZ0209	110801
DRZ0210	110801
DRZ5104	110347
DRZ5104	110999
DRZ5104	111000
DRZ5105	111000
DRZ5111	110347
DRZ5115	110347
DRZ5115	110999
DRZ5115	111000
DRZ5117	110604
DRZ5119	110347
DRZ5119	110999
DRZ5122	110468
DRZ5123	110469
DRZ5128	110491
DRZ5133	111221
DRZ5144	110347
DRZ5166	110999
DRZ5167	111000
DRZ5168	111760
DRZ5175	110436
DRZ5175	112089
DRZ5188	113695
DRZ5189	110347
RENAULT	
0855787900	112039
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5000080750	110512
5000241777	110210
5000270909	110208
5000592182	110512
5000785941	110043
5000789048	110512
5000808251	110512
5000811448	110347
5000822346	110206
5001000061	110206
5001014166	112113
5001014203	110512
5001014215	110512
5001833946	112113
5010050717	112113
5010142367	112113
5010142768	112113
5010149022	112113
5010217215	110207
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6000102270	110536
6000102394	110536
6000130300	110641
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6005003145	110178
6005003149	110641
6005003152	111332
6005003153	111332
6005003154	110565
6005003155	110536
6005003156	110536
6005003763	110641
6005007548	110819
6005007750	110178
6005011729	111332
6005012976	111755
6005016395	110536
6005700082	110819
6005700083	110178
6005700084	110641
6005701121	111289
6005701125	111332
7700004148	110641
7700010614	110178
7700012723	110641
7700017032	110178
7700026780	111332
7700045291	112442
7700046893	111332
7700047132	113532
7700061622	113532
7700066115	113532
7700068173	114050
7700072251	113532
7700501670	111332
7700519797	111332
7700525064	111332
7700525547	111332
7700590793	160316
7700627394	111332
7700665435	110641
7701013039	110551
7701015006	110766
7701028780	110819
7701028801	110178
7701030289	110819
7701044974	080940
7701045695	080942
7701045786	080994
ROMANIA (E/P)	
2130	110640
DM1130	110639
DM1132	110639
DM2120	110640
DM2130	110640
DM2134	110640
DM2138	110529
DM91134	110639
ROVER GROUP	
GEU2255	111356
GNU2393	112238
YLE10011	110770
YLE10025	112238
YLE10065	112722
YLE10066	110770
YLE10067	111355
YLE10099	113763
YLE10118	113763
YLE101560	112238
YLE101570	111355
YLE101580	111355
YLE101640	111289
SAW	
10.115-171	171167
10.115-411	170851
10.185-021	171168
10.190-011	170857
14.115-011	170865
14.129-011	170867
20.017-001	171171
20.017-041	171173
20.017-181	171175
20.022-001	171178
20.022-011	171179
20.022-021	171180
20.024-001	170875
20.026-001	171181
20.026-021	171182
20.026-031	171183
20.104-031	170880
20.104-041	170881
20.196-001	170884
20.196-021	170885
20.196-031	170886
20.196-041	170887
21.008-041	171191
21.010-041	171192
21.010-051	171193
21.010-101	171194
21.010-111	171195
21.010-121	171328
21.010-131	171329
21.017-121	171196
21.026-011	171197
21.093-021	171202
21.111-001	171203
21.111-011	171204
21.131-001	170943
21.199-001	171213
21.199-011	171214
22.026-171	171215
22.028-091	170925
22.093-041	171216
22.111-001	171217
22.111-011	171218
22.111-041	171217
22.130-001	171006
22.131-011	170927
23.030-051	170928
23.033-001	170929
23.056-011	170930
23.093-001	171219
23.191-001	171220
24.030-051	170932
24.033-001	170934
24.033-031	171222
24.056-001	170935
24.056-011	170935
25.011-021	171224
25.012-011	170936
25.087-001	171225
80.091-001	171228
80.143-021	171233
90.008-101	171236
90.010-031	171237
90.010-051	171237
90.017-081	171242
90.093-011	171253
90.104-001	170975
90.104-011	170976
90.111-001	171258
90.111-011	171259
90.131-001	170989
90.131-081	170944
90.199-001	171264
90.199-011	171265
95.009-061	171266
95009-061	171266
SCANIA	
279698	110043
279699	110043
326353	110043
571500	110043
571501	110043
571503	110043
4395612	070203
SEAT ↪ VOLKSWAGEN	
SIEMENS	
5WK1636	160297
5WK1640	160297
PM3511	160250
SJCE	
3M0110/10	111645
3PN0001	112339
3PN0001/3	111646
MO101/10	111645
PN0001	112339
PN001/3	111646
SPAL	
005-A45-02	160510
006-A46-22	160647
006-A54-22	160511
006-B40-22	160557
006-B40-22/4	160878
006-B50-22	160512
008-A100-93D	160593
008-A45-02	160483
008-B45-02	160649
009-A22-26D	160592
009-A70-74D	160592
009-B40-22	160594
010-A70-74D	160639
010-B70-74D	160596
VA01-BP70/LL-36A	160584
VA01-BP70/LL-36S	160908
VA04-AP70/LL-37A	160885
VA04-AP70/LL-37S	160912
VA07-AP12/C-31A	160537
VA07-AP12/C-58A	160537
VA07-AP12/C-58S	160910
VA07-AP7/C-31A	160537
VA07-AP8/C-58A	160537
VA07-BP12/C-58A	160799
VA07-BP12/C-58S	160597
VA07-BP7/C-31A	160906
VA07-BP7/C-31S	160588
VA08-AP51/C-23A	160914
VA08-AP51/C-23S	160915
VA08-BP51/C-23A	160909
VA09-AP12/C-27A	160598
VA09-AP12/C-27S	160601
VA09-AP12/C-54S	160601
VA09-AP8/C-27A	160598
VA09-AP8/C-27S	160601
VA09-BP12/C-27A	160599
VA09-BP12/C-27S	160600
VA09-BP12/C-54A	160599
VA09-BP12/C-54S	160600
VA09-BP50/C-27A	160599
VA09-BP50/C-27S	160600
VA09-BP8/C-27A	160599
VA09-BP8/C-27S	160600

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
VA10-AP10/C-61A	160538
VA10-AP10/C-61S	160536
VA10-AP9/C-25A	160538
VA10-AP9/C-25S	160536
VA10-BP10/C-61A	160584
VA10-BP50/C-25A	160584
VA10-BP50/C-61S	160737
VA10-BP9/C-25A	160584
VA11-AP7/C-29A	160539
VA11-AP7/C-57A	160539
VA11-AP7/C-57S	160911
VA11-AP8/C-57A	160539
VA11-BP12/C-57A	160587
VA11-BP12/C-57S	160714
VA11-BP7/C-29A	160587
VA15-BP70/LL-39A	160907
VA18-BP10/C-41S	160595
VA18-BP51/C-41S	160595
VA18-BP70/LL-41A	160777
VA18-BP70/LL-41S	160595
VA18-BP70/LL-86A	160777
VA18-BP70/LL-86S	160595
VA34-AP70/LL-36A	160739
VA34-AP70/LL-36S	160913
VA34-BP70/LL-36S	160619
SKODA ↪ VOLKSWAGEN	
SSANG YONG	
0091543002	112529
STANADYNE	
ST26214	080873
ST26387	080926
STEYR ↪ MERCEDES BENZ	
STRIBEL	
898211	160466
899626	160337
899627	160308
899628	160308
899744	160308
899747	160337
899784	160337
899798	160337
899839	160337
899932	160394
899957	160394
SUZUKI	
163547	160311
15100-85501	070213
31100-73010	110421
31100-73030	110421
31100-73071	110421
31100-73090	110421
38610-85C00	160315
SWF	
402227	160031
402229	160033
402230	160032
402231	160034
611012	160316
611013	160317
611100	160242
611101	160244
611102	160243
611107	160305
611108	160305
611111	160315
611112	160315
611114	160262
611115	160199
611116	160315

O.E. No.	HC-CARGO
SYNCHRO-START	
150212C3U1B1S1A	090160
150212C7U2B2S7	090224
150224C3U1B1S2A	090161
1502ES12C3U1B2S1	090109
1502ES24C3U1B2S2	090110
1503ES-12A5SUC9SCC28	090268
1503ES-12A5SUC9SCG28	090268
1503ES12A5UC5S	090216
1503ES12A5UC9S	090373
1503ES12S5UC5S	090228
1503ES24A5UC5S	090402
175124A2U1BS1A	090297
200112E3U1B2S2	090168
200124E3U1B2S2	090169
2001ES12E3U1B2S2	090111
2001ES24E3U1B2S2	090113
SA3405T	090224
SA-3742-12	090095
SA-3742-24	090099
SA-3765-12	090097
SA-3765-24	090101
SA-3776T	090216
SA-3799-12	090096
SA-3799-24	090100
SA-3800-12	090098
SA-3800-24	090102
SA-3991-12	090334
SA-3999-12	090104
SA-3999-24	090106
SA-4014-12	090103
SA-4014-24	090105
SA-4026-12	090107
SA-4026-24	090108
SA-4180-12	090199
SA-4182-24	090200
SA-4228	090226
SA-4561T	090373
SA-4562T	090228
SA-4564-12	090206
SA-4567T	090402
SA-4569-T	090216
SA4646-24	090267
SA-4668-S	090268
SA-4744-12	090368
SA-4817-12	090206
SA-4850	090228
SA-4899-12	090370
SA-4899-24	090371
SA-4920-12	090206
SA-4921	090228
SA-4934-12	090225
SA-5019	090268
SA-5157	090268
SA-5171	090160
SA-5174-12	090111
SA-5174-24	090113
SAAB	
4069985	160791
4395612	070203
8512311	113474
8530446	113474
8545543	113474
8553463	160749
8593477	160197
9506379	160197
TARASOV WORKS	
24.3708	111350
TECUMSEH	
32468	112564
33432	234120
33835	112313
33844	234121
35765	112564
334323	234120

O.E. No.	HC-CARGO
32468A	112564
32468B	112564
34949A	234122
35765A	112564
THERMO KING	
25-35458-00	110246
25-35465-00	110246
3041C58G01	112249
44-5674	111683
45-220	112249
45-267	112249
45-338	112249
45-5657	111683
46-2663	112249
TOYOTA	
27060-78001-71	110620
27060-96001	110620
28100-12012	110421
28100-12030	110421
28100-12040	110421
28100-22010	110421
28100-22011	110421
28100-22012	110421
28100-22020	110421
28100-22021	110421
28100-22022	110421
28100-87803	113208
90987-02001	160480
90987-02004	160480
90999-99089	160480
TRANSPO	
BR1546	234170
BR3219	234167
BR4890	230149
BR7809	234171
D13702	130505
D9212	130505
D9212-1	130505
D9212-1-B32	130505
D9212S	130505
D9212S-1	130505
IB390	130032
IL1292	130883
IL1292	130884
IL2210	130041
IL2214	130040
RE006	191752
RE007	191026
RE20N24A	160307
RE20N24D	160215
RE30N12A	160282
RE30N12B	160265
RE30N12C	160083
VR13915	233624
TYCO	
925176	170799
0-1414168-0	160394
925306-2	170619
UNIPOINT	
ALT-1024	110504
ALT-2122	112170
ALT-4028A	114360
ALT-4036	110497
ALT-4040	111686
ALT-4041	112097
ALT-5024	113401
ALT-5300	111048
ALT-5302	111048
ALT-5303	111048
ALT-5304	111048
ALT-5305	110620
ALT-5306	110620
ALT-T145	111833

O.E. No.	HC-CARGO
ALT-T158	114365
P-06212	135403
P-06512	135404
SNLS-001	231527
SNLS-001A	231527
SNLS-002	231526
SNLS-004	231525
SNLS-005	234071
SNLS-006	234072
SNLS-007	234073
STR-1002	110635
STR-1006	112242
STR-1053	110510
STR-1058	111012
STR-1070	110949
STR-23801	114437
STR-2382	110208
STR-2387	110512
STR-3803	113680
STR-4207	112089
STR-4209	112089
STR-4340	113695
STR-4341	112169
STR-5001	111683
STR-6090	113725
STR-7007	111300
STR-7072	111221
STR-7158	111760
STR-8018	110182
STR-8110	110447
STR-8111	110940
STR-8276	112546
STR-B015	111855
WB-1011S	160628
WB-1013S	160633
WB-1014S	160635
WB-1015S	160638
WB-1016S	160641
WB-1017S	160643
WB-1018S	160645
WB-1019S	160648
WB-1020S	160650
WB-1021S	160653
WB-1022S	160655
WB-1024S	160661
WB-1816S	160741
WB-1818S	160745
WB-1819S	160748
WB-1820S	160750
WB-1821S	160753
WB-1822S	160755
WB-1824S	160761
WB-1826S	160766
WB-1828S	160771
UNITED TECHNOLOGIES	
0599440	110510
1146340	110510
1250740	110510
1574540	111701
1653340	110510
1770540	110949
1801940	135400
4509809	110510
5174740	112546
5665940	111701
5666140	110510
5666740	111701
7017540	135400
0255740DV30SM	135403
0599440-M030SM	110510
0815440DV30SM	135402
1146340-M030SM	110510
1250740-M030SM	110510
1570140MO30SM	110510
1574440M030SM	110510
1574540MO30SM	111701
1635323-M030SM	110510
1635340-M030SM	110510

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
UNITED TECHNOLOGIES *continued*	
1637540DV30SM	135401
177054030SM	110949
1801940DV30SM	135400
1819040MO30SM	110949
1819140M030SM	112568
1820040DV30SM	135408
2034640DV30SM	135404
2134940MO30SM	112831
4367240MO30SM	113015
4379040MO30SM	113015
4419240DV30SM	135406
4509809S030SM	110510
4733040M030SM	114075
4733040MO30SM	111012
4733840DV30SM	135409
4787140DV30SM	135402
5213140MO30SM	110949
5213240MO30SM	112831
5239740MO30SM	112150
5278440MO30SM	112150
5665920MO30SM	111701
5665940MO30SM	111701
5666120MO03SM	110510
5666120MO30SM	110510
5666140MO30SM	110510
5666220MO30SM	110949
5666240MO30SM	110949
5666320MO30SM	112568
5666340MO30SM	112568
5666420MO03SM	112831
5666440MO30SM	112831
5666620MO30SM	111012
5666640MO30SM	111012
56666420MO30SM	112831
5666740MO30SM	111701
5667040MO30SM	112150
5667140MO30SM	113017
5695340KT30SM	135409
5695KT30SM	135409
6024140GE30SM	230399
6727040MO30SM	113017
6734620MO30SM	112150
7010440DV30SM	135402
7017540DV30SM	135400
9G4338	110999
DV02557	135403
DV08154	135402
DV16375	135401
DV18019	135400
DV18200	135408
DV20346	135404
DV44192	135406
DV47338	135409
DV47871	135402
DV551067	135409
DV551067A	135409
DV551067AS	135409
DV551068A	135411
DV551092A	135410
DV551092AS	135410
DV70104	135402
DV70175	135400
SM05994	110510
SM11463	110510
SM12507	110510
SM15701	110510
SM15745	111701
SM16353	110510
SM17705	110949
SM18190	110949
SM18191	112568
SM21349	112831
SM43672	113015
SM43790	113015
SM47330	111012
SM50497	110510
SM52132	112831
SM52397	112150
SM52784	112150
SM56659	111701
SM56661	110510
SM56662	110949
SM56663	112568
SM56664	112831
SM56666	111012
SM56670	112150
SME12A11	110510
SME12A8	110510
SMH12A102	110510
SMH12A2	110510
SMH12A201	110510
SMH12A202	110510
SMH12A4	110510
SMH12C1	111701
UNIVERSAL	
090109	090109
090110	090110
090111	090111
090113	090113
090115	090115
090116	090116
090160	090160
090161	090161
090168	090168
090169	090169
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090200	090200
090210	090210
090224	090224
090226	090226
090297	090297
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090318	090318
090348	090348
090370	090370
090371	090371
231525	231525
231526	231526
231527	231527
234070	234070
234071	234071
234072	234072
234073	234073
VALEO	
03283	160337
03501	160358
03523	160337
03601	160282
03608	160311
076571	110512
102052	112113
168590	171098
180620	113477
187031	113478
432567	110819
432569	111332
432570	110819
432571	110819
432572	111332
432825	111289
432836	111289
432868	111686
432973	110178
432984	111948
432989	112098
433115	111035
433117	110912
433118	111035
433292	110461
433293	110530
433295	110775
433311	110640
433314	111332
433315	111332
433316	110565
433318	110536
433359	110179
433404	110975
433476	110641
433485	110179
433485	110969
433485	111184
433486	112238
434005	110766
434016	111833
434017	112046
434027	111833
436010	110868
436037	110814
436041	110844
436044	110522
436070	111755
436072	110442
436072	112660
436073	110529
436073	110813
436074	110529
436074	110813
436075	112135
436076	110818
436077	110536
436077	111752
436100	110975
436105	110882
436105	110890
436105	111686
436109	110899
436109	111180
436111	110890
436111	110912
436112	110611
436112	110882
436112	110890
436112	110912
436112	112768
436113	110611
436113	110912
436113	111035
436113	112768
436114	111035
436117	111035
436121	110875
436121	112098
436127	110875
436127	111649
436127	112098
436130	112310
436137	110975
436140	110178
436140	110968
436140	111185
436140	111204
436144	110968
436144	111184
436144	111185
436145	111289
436148	110972
436148	111168
436153	110077
436160	111168
436161	110972
436161	111168
436166	110178
436166	110179
436166	110969
436166	111289
436167	110178
436167	110179
436167	110968
436167	111184
436167	111185
436167	111204
436167	111289
436169	110179
436169	111184
436169	111185
436169	111289
436175	110178
436179	110178
436179	110770
436179	111289
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436180	111289
436181	110968
436181	111289
436181	111362
436189	110975
436194	110360
436208	110975
436211	113611
436215	110360
436235	110882
436236	111035
436237	110882
436237	110890
436237	111686
436239	111620
436239	111686
436241	110912
436241	111620
436243	111620
436263	110970
436263	111948
436264	110107
436264	111649
436264	111948
436265	110641
436266	111662
436266	112098
436267	110105
436267	111649
436269	111662
436269	112098
436272	112736
436273	111355
436287	110971
436294	110107
436297	111686
436351	112113
436355	110043
436376	112183
436414	112098
436416	111419
436416	112097
436417	111419
436418	112747
436419	110766
436420	110117
436420	110766
436424	110761
436425	111141
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436427	110761
436430	111141
436436	110043
436437	113477
436438	111528
436438	113477
436450	112529
436451	111369
436455	110043
436479	111948
436497	111048
436531	110969
436567	112742
436578	111141
436585	113611
436586	110882
436663	112113
436667	111369
436687	111289
436687	111362
436692	110770
436695	113474

O.E.M. names and numbers are used for reference purposes only.

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436717	111940
436718	112529
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437125	111369
437126	112529
437379	111362
437381	111289
437499	112529
437587	112529
437675	112194
437701	112196
437813	111620
437849	112194
438035	110206
438041	110210
438042	110213
439095	111369
439098	111716
439099	111940
439244	111369
439245	112529
439530	112529
439555	112194
440134	112097
455504	110512
455505	110512
455507	113269
455516	110523
455517	110517
455517	110521
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455520	110517
455521	110520
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455669	110522
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455677	112172
455735	113478
455925	111683
455926	110512
458209	110206
458340	110208
458460	111911
510391	112097
510426	110766
523158	111141
523159	111141
592601	113477
592786	112113
594085	111015
726032	111911
2180620	111528
2181761	112113
2181762	112113
2181991	113477
2325158	111141
2518051	111948
2523162	110766
2523234	110178
2541130	111948
2541131	111948
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2541712	111940
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2541778	112113
2541838	112529
2541839	111369
2541911	111369
2541919	112529
2541920	111369
2541959	112529
2541960	111369
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2927990	110077
2928610	111948
2929510	111686
2929780	111289
2939520	112097
2940772	111948
2940981	111289
2950220	111289
2950500	110890
2950700	111948
2960120	110117
2960150	110766
29409930	110178
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2541775A	112529
2541775B	112529
2541776B	111369
2541838A	112529
2541839A	111369
534054D	110484
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9AR2699	110968
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9AR2786	111948
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A13E25	111035
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A13N214	111168
A13N255	112183
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A13N276	111940
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A13R214	110043
A13VI100	111369
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A13VI135	111369
A13VI169	111369
A13VI170	111369
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A13VI176	111369
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D11E15H	110565
D11E35	110818
D11E59	110818
D11E84	110439
D13E63	110512
D13E63T	110512
D13E69	110512
D13E69T	110512
D13E81	110512
D13E81T	110512
D6RA22	111015
D6RA52	111015
D7R14	113478
M40237	110245
MG117559	110245
MG120559	110245
NA014	110969
NA028	111362
NA036	111289
NA058	111948
NA065	111185
NA066	113574
NA118	111948
NA128	110360
NA135	112097
NA181	112097
NA214	110912
NA216	111686
NA284	111180
NA363	113477
NA380	111035
NA386	111419
NA426	112113
NA444	112529
NA445	111369
NA504	111369
NA510	112113
NA511	111141
ND079	110439
ND140	111015
TA000A58101	114219
TM000A07101	110245
VA100	110178
VA100	110968
VA100	111185
VA101	110179
VA101	110969
VA102	110178
VA102	110770
VA102	110968
VA102	111185
VA102	111289
VA102	111362
VA103	110969
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VA104	110770
VA104	110968
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VA104	111362
VA104	113574
VA105	110968
VA105	111185
VA106	110770
VA106	111362
VA107	110179
VA107	110969
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VA111	110178
VA111	110179
VA111	110968
VA111	111184
VA111	111185
VA111	111204
VA111	111289
VA112	110178
VA112	111185
VA112	111289
VA115	110972
VA115	111168
VA116	110972
VA116	111168
VA117	110360
VA119	111289
VA121	110179
VA121	110969
VA122	113474
VA123	110360
VA128	110975
VA132	110890
VA132	110968
VA135	112238
VA138	112310
VA140	111355
VA140	112238
VA147	111948
VA151	110360
VA155	110975
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VA159	110972
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